

# Service Manual



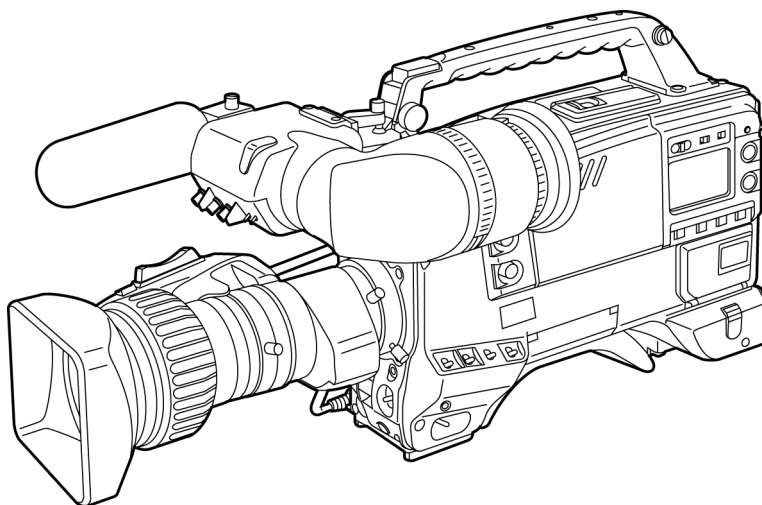
Digital Camera/VTR

## AJ-D610WAP/E

- Sec. 1** *Operating Instructions*
- Sec. 2** *Service Information*
- Sec. 3** *Maintenance / Disassemble procedures*
- Sec. 4** *Electrical adjustment procedures*
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VSD9912M914

Service Manual for DVC PRO  
Mechanism Section.



# Panasonic

## **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service manual by anyone else could result in serious injury or death.

## INTRODUCTION

This service manual contains technical information which allows service personnel to understand and service the Digital Camera/VTR AJ-D610WAP/E.

## Specifications (AJ-D610WAP)

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### General

<b>Power supply voltage:</b>	DC 12 V
<b>Power consumption:</b>	24 W

<b>Operating temperature:</b>	32°F to 104°F (0°C to 40°C)
<b>Storage temperature:</b>	−4°F to 140°F (−20°C to 60°C)
<b>Operating humidity:</b>	Less than 85% (relative humidity)
<b>Continuous operating time:</b>	Approx. 90 min. (using 1 Anton Bauer Trimpac 14 battery)
<b>Weight:</b>	14.52 lbs (6.6 kg) (incl. main unit, viewfinder, lens, battery pack, tape and microphone)
<b>Dimensions:</b>	4 <sup>13</sup> / <sub>16</sub> " (W) × 8 <sup>1</sup> / <sub>16</sub> " (H) (excluding grip) × 12 <sup>3</sup> / <sub>8</sub> " (D) 122.5 × 204 × 313 mm

### Camera Section

<b>Pick-up devices:</b>	2/3-inch on-chip IT type of CCD
<b>System:</b>	RGB 3-CCD system
<b>Picture elements:</b>	520,000 pixels
<b>Spectral system:</b>	F1.4 prism system
<b>Built-in filters:</b>	1; 3200 K 2; 5600 K + 1/8ND 3; 5600 K 4; 5600 K + 1/64ND
<b>Quantization:</b>	10-bit A/D (R, G and B channels each)
<b>Digital signal processing:</b>	16-bit long operation, 18 MHz/36 MHz
<b>Horizontal drive frequency:</b>	18.0 MHz
<b>Programmable gains:</b>	Any 3 position settings from −3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB
<b>Super gain:</b>	30 or 36 dB selectable
<b>Shutter speeds:</b>	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. Synchro scan mode; 1/60.8 sec. to 1/250 sec.
<b>Lens mount:</b>	2/3" Bayonet type
<b>Sensitivity:</b>	F11 (2000 lux, 89.9% reflection)
<b>Minimum subject brightness:</b>	Approx. 0.5 lux (at F1.4, +36 dB)
<b>Image S/N ratio:</b>	63 dB (typ)
<b>Horizontal resolution:</b>	750 lines (center, typ)
<b>Vertical resolution:</b>	400 lines/more than 450 lines (SUPER V mode)
<b>Sampling frequency:</b>	18 MHz
<b>Registration:</b>	Below 0.05% (entire range) (excluding lens distortion)

### Viewfinder (AJ-VF10P, optional accessory)

<b>CRT:</b>	1.5" monochrome
<b>Horizontal resolution:</b>	600 lines (center)
<b>External controls/switches</b>	Controls; BRIGHT, CONTRAST, PEAKING Switches; TALLY, ZEBRA



# Specifications (AJ-D610WAP)

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## VTR Section

### VTR Video System (during playback on a standard playback unit)

<b>Bands:</b>	Y; 30 Hz to 5.75 MHz +1.0 dB/−3.0 dB
<b>S/N ratio:</b>	55 dB
<b>K factor (2T pulse):</b>	Within 2%
<b>Y/C delay:</b>	Within 30ns

### VTR Audio System (during playback on a standard playback unit)

<b>Sampling frequency:</b>	48 kHz (synchronized to video)
<b>Quantization:</b>	16 bits
<b>Frequency response:</b>	20 Hz to 20 kHz±1.0 dB (at reference level with OFF setting for MIC LOWCUT on setting menu)
<b>Dynamic range:</b>	85 dB or more (at 1 kHz, AWTED)
<b>Distortion:</b>	Within 0.1% (at 1 kHz, reference level)
<b>Wow &amp; flutter:</b>	Below measurable limit
<b>Head room:</b>	20 dB
<b>Emphasis:</b>	T1=50 µs, T2=15 µs (can be turned ON/OFF)

### VTR Tape Travel System

<b>Tape used:</b>	DVCPRO format 1/4-inch M cassette tape
<b>Tape speed:</b>	33.820 mm/sec
<b>Recording/playback time:</b>	Approx. 66 min. (using AJ-P66MP)
<b>FF/REW time:</b>	Approx. 3 min. (using AJ-P66MP)

## Connectors

### Input

#### AUDIO IN CH1/CH2

<b>(XLR x2, 3 pins, female):</b>	MIC/LINE switchable, balanced, more than 10 kilohms MIC; Menu setting to −60, −50, −40 dBu LINE; Menu setting to −6, 0, +4 dBu
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<b>MIC IN (XLR, 3 pins, female):</b>	FRONT MIC; Phantom +48 V REAR MIC; Phantom +48 V/+12 V (selectable using internal switch), balanced, 3 kilohms, Menu setting to −60, −50, −40 dBu
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#### GENLOCK IN/(VIDEO IN) (BNC):

1.0 Vp-p, 75 ohms (signals can be monitored on EVF)

<b>TIME CODE IN (BNC):</b>	0.5 V to 18 Vp-p, high impedance
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### Output

<b>CAMERA OUT (BNC):</b>	1.0 Vp-p, 75 ohms
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<b>VIDEO OUT (BNC):</b>	1.0 Vp-p, 75 ohms
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#### AUDIO OUT

<b>(XLR, 3 pins, male):</b>	+4 dBu, balanced, low impedance CH1, CH2 or MIX selectable
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<b>TIME CODE OUT (BNC):</b>	1.5 Vp-p, low impedance
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#### PHONES (stereo mini jack)

### Other

<b>DC IN (XLR, 4 pins, male):</b>	DC 12 V
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<b>DC OUT (4 pins, female):</b>	DC 11 V to 17 V, maximum rated current; 0.1 A
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#### LENS (12 pins)

#### ECU (6 pins)

## Accessories

Shoulder strap (×1), Battery connector (including screws) for supporting Sony battery, AUDIO LEVEL CH1 control knob (including screw) (×1), Holder for an Anton Bauer battery (already mounted on main unit), Tripod mount adaptor (×1), Microphone (with holder) (×1)

# Specifications (AJ-D610WAP)

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## Related Components

### Power supply related

AU-BP220, AU-BP402 battery packs  
AG-B425 battery charger (for charging AU-BP220, AU-BP402 battery packs)  
AU-M402H battery case  
AJ-B75 AC adaptor

### Viewfinder

AJ-VF10P, AJ-VF15P 1.5-inch viewfinders  
AJ-VF20WP 2.0-inch viewfinder  
AJ-VF53P 5-inch viewfinder

### External VTR-related

Portable video cassette recorders  
VTR adaptor (for connecting portable VTR)  
AJ-YA900P 26-pin/12-pin output connector  
AQ-EC1 extension control unit

### Connecting cables

- For connecting external VTR to 26-pin interface
- For connecting external VTR to 14-pin/26-pin interface
- SHAN-C12TCA multi-connector cable

### Audio components

AJ-MC700P microphone kit  
Stereo microphone  
AJ-MH700P microphone holder  
WX-RA700 wireless microphone receiver  
WX-R980 camera attachment

### Maintenance products

AJ-CL12MP cleaning tape  
AJ-SC900 soft carrying case  
AJ-HT900 carrying case  
SHAN-RC700 rain cover

### Other

AJ-YAP900 Picture Link adaptor board

Weight and dimensions shown are approximate.  
Specifications are subject to change without notice.

# Specifications (AJ-D610WAE)

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## General

Power supply voltage:	DC 12 V
Power consumption:	29 W

Operating temperature:	0°C to 40°C
Storage temperature:	-20°C to 60°C
Operating humidity:	Less than 85% (relative humidity)
Continuous operating time:	Approx. 80 min. (using 1 Anton Bauer Trimpac 14 battery)
Weight:	6.6 kg (incl. main unit, viewfinder, lens, battery pack, tape and microphone)
Dimensions:	122.5(W)×204(H) (excluding grip)×313(D) mm

## Camera Section

Pick-up devices:	2/3-inch on-chip IT type of CCD
System:	RGB 3-CCD system
Picture elements:	600,000 pixels
Spectral system:	F1.4 prism system
Built-in filters:	1; 3200 K 2; 5600 K+1/8 ND 3; 5600 K 4; 5600 K+1/64 ND
Quantization:	10-bit A/D (R, G and B channels each)
Digital signal processing:	16-bit long operation, 18 MHz/36 MHz
Horizontal drive frequency:	18.0 MHz
Programmable gains:	Any 3 position settings from -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB
Super gain:	30 or 36 dB selectable
Shutter speeds:	1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. Synchro scan mode; 1/50.6–1/248.0 sec.
Lens mount:	2/3" Bayonet type
Sensitivity:	F11 (2000 lux, 89.9% reflection)
Minimum subject brightness:	Approx. 0.5 lux (at F1.4, +36 dB)
Image S/N ratio:	61 dB (typ)
Horizontal resolution:	750 lines (centre, typ)
Vertical resolution:	450 lines/more than 500 lines (SUPER V mode)
Sampling frequency:	18 MHz
Registration:	Below 0.05% (entire range) (excluding lens distortion)

## Viewfinder (AJ-VF10E, optional accessory)

CRT:	1.5" monochrome
Horizontal resolution:	600 lines (centre)
External controls/switches	Controls; BRIGHT, CONTRAST, PEAKING Switches; TALLY, ZEBRA

# Specifications (AJ-D610WAE)

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## VTR Section

### VTR Video System (during playback on a standard playback unit)

Bands:	Y; 25 Hz to 5.75 MHz +1.0 dB/−3.0 dB
S/N ratio:	55 dB
K factor (2T pulse):	Within 2%
Y/C delay:	Within 20ns

### VTR Audio System (during playback on a standard playback unit)

Sampling frequency:	48 kHz (synchronized to video)
Quantization:	16 bits/sample
Frequency response:	20 Hz to 20 kHz±1.0 dB (at reference level with OFF setting for MIC LOWCUT on setting menu)
Dynamic range:	85 dB or more (at 1 kHz, AWTD)
Distortion:	Within 0.1% (at 1 kHz, reference level)
Cross talk:	Less than −70 dB (1 kHz, between 2 channels)
Wow & flutter:	Below measurable limit
Head room:	18 dB
Emphasis:	T1=50 µs, T2=15 µs (can be turned ON/OFF)

### VTR Tape Travel System

Tape used:	DVCPRO format 1/4-inch M cassette tape
Tape speed:	33.813 mm/sec
Recording/playback time:	Approx. 66 min. (using AJ-P66MP)
FF/REW time:	Approx. 3 min. (using AJ-P66MP)

## Connectors

### Input

#### AUDIO IN CH1/CH2

(XLR x2, 3 pins, female):	MIC/LINE switchable, balanced, more than 10 kilohms MIC; Menu setting to −60, −50, −40 dBu LINE; Menu setting to −6, 0, +4 dBu
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MIC IN (XLR, 3 pins, female):	FRONT MIC; Phantom +48 V REAR MIC; Phantom +48 V/+12 V (selectable using internal switch), balanced, 3 kilohms, Menu setting to −60, −50, −40 dBu
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#### GENLOCK IN(VIDEO IN)

(BNC):	1.0 Vp-p, 75 ohms (signals can be monitored on EVF)
TIME CODE IN (BNC):	0.5 V to 18 Vp-p, high impedance

### Output

CAMERA OUT (BNC):	1.0 Vp-p, 75 ohms
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VIDEO OUT (BNC):	1.0 Vp-p, 75 ohms
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#### AUDIO OUT

(XLR, 3 pins, male):	0 dBu, balanced, low impedance CH1, CH2 or MIX selectable
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TIME CODE OUT (BNC):	1.5 Vp-p, low impedance
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PHONES (stereo mini jack)	
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### Other

DC IN (XLR, 4 pins, male):	DC 12 V
DC OUT (4 pins, female):	DC 11 V to 17 V, maximum rated current; 100 mA
LENS (12 pins)	
SPARE (6 pins)	

## Accessories

Shoulder strap (×1), Battery connector (including screws) for supporting Sony battery, AUDIO LEVEL CH1 control knob (including screw) (×1), Holder for an Anton Bauer battery (already mounted on main unit), Tripod mount adapter (×1), Microphone (with holder) (×1)

## Specifications (AJ-D610WAE)

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### Related Components

#### Power supply related

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AJ-VF20WP 2.0-inch viewfinder  
AJ-VF53P 5-inch viewfinder

#### External VTR-related

Portable video cassette recorders  
VTR adapter (for connecting portable VTR)  
AJ-YA900P 26-pin/12-pin output connector  
AJ-EC2/AQ-EC1 extension control unit

#### Connecting cables

- For connecting external VTR to 26-pin interface
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#### Audio components

AJ-MC700P microphone kit  
Stereo microphone  
AJ-MH700P microphone holder

#### Maintenance products

AJ-CL12MP cleaning tape  
AJ-SC900 soft carrying case  
AJ-HT900 carrying case  
SHAN-RC700 rain cover

#### Other

AJ-YAP900 Picture Link adapter board

Weight and dimensions shown are approximate.  
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<b>Section1</b>	<b>Operating Instructions</b>
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<b>Section7</b>	<b>Circuit Board Diagrams</b>
<b>Section8</b>	<b>Exploded Views &amp; Parts List</b>

# SAFETY PRECAUTIONS

## GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

## LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than  $5M\Omega$ .

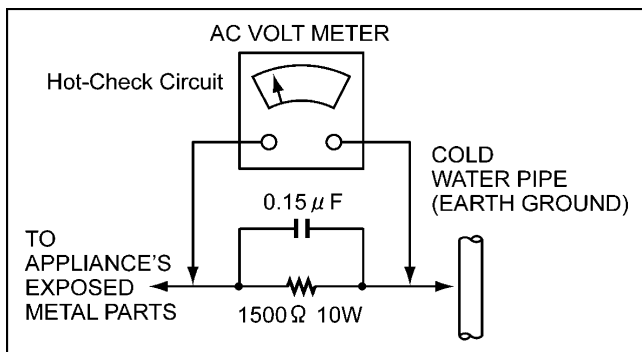


Figure1

## LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a  $1.5k\Omega$ , 10W resistor, in parallel with a  $0.15\mu F$  capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

## ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.  
Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.  
(most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.  
CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

## X-RADIATION

### WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

**Note :** It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV,  $\pm 0.15kV$ . If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.



**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK).  
NO USER SERVICEABLE PARTS INSIDE.  
REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

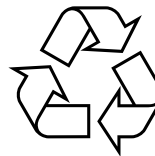
**CAUTION:**  
**TO REDUCE THE RISK OF FIRE OR SHOCK  
HAZARD AND ANNOYING INTERFERENCE,  
USE THE RECOMMENDED ACCESSORIES  
ONLY.**

**WARNING:**  
**TO REDUCE THE RISK OF FIRE OR SHOCK  
HAZARD, DO NOT EXPOSE THIS EQUIPMENT  
TO RAIN OR MOISTURE.**

**FCC Note:**

This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.


This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



**ATTENTION:**

The product you have purchased is powered by a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

Replace battery with parts No. CR2032 or BR2032.  
Use of another battery may present a risk of fire or explosion.  
Caution—Battery may explode if mistreated.  
Do not recharge, disassemble or dispose of in fire.

 indicates safety information.



## For your safety

### DO NOT REMOVE PANEL COVER BY UN--SCREWING

To reduce the risk of the electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

### WARNING:

**TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**

### CAUTION:

**TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.**

### Lithium Battery

#### Warning

The lithium battery in this equipment must only be replaced by qualified personnel. When necessary, contact your local Panasonic supplier.

"The lithium battery is a critical component (type number CR2032 manufactured by Panasonic).

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connections observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose. It should be disposed of in waste products destined for burial rather than incineration."

#### CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

#### VARNING

Explosionsfara vid felaktigt batteribyte.

Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kasserat använt batteri enligt fabrikantens instruktion.

#### ADVARSEL!

Eksplodingsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

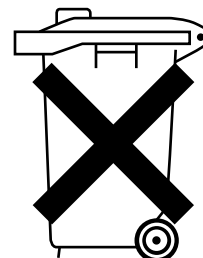
#### VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.

Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

## Attention/Attentie

- This apparatus contains a lithium battery for memory back-up.
- For the removal of the battery at the moment of the disposal at the end of the service life please consult your dealer.
- Do not throw away the battery. Instead, hand it in as hazardous waste.
- Dit apparaat bevat een lithiumbatterij voor memory back-up.
- Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.
- Gooi de batterij niet weg, maar lever hem in als KCA.



# SECTION 1

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## OPERATING INSTRUCTIONS

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Bold letters should be set or adjusted immediately after purchase.

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# General and Features

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This unit combines as a single integrated unit a 3-CCD color video camera which features IT-CCDs and a 520,000-pixel on-chip lens, and a DVCPRO format VTR which incorporates compression technology.

In particular, the screen aspect ratio can be switched between 16:9 and 4:3 in a single action.

The unit in itself is compact and lightweight, its power consumption is minimal, it yields a high picture quality, and it offers excellent sensitivity, mobility and dust-proof and damp-proof capability. As a camera with built-in VTR, the unit's functions and performance make it ideal for use in ENG applications.

Both the camera unit and VTR unit feature digital signal processing to achieve much higher levels of picture quality and stability.

Memory cards complying with global standards can be used for the camera and VTR setting data to provide a system to manage the data.

## Features of the Camera Section

The camera section of the AJ-D610WA has the following features.

- High sensitivity: 2000 lux (F11)
- High S/N ratio: 63 dB (standard)
- Ultra-low smear
- Ultra-low flare

### Digital signal processing

Signal processing is digitized by a 18 MHz (typ.) 10-bit AD/DA converter. This improves picture quality, stability and reliability, and allows the viewfinder screen displays as well as numerous adjustment and setup items to be converted to menus.

### Setting menu

The setting menu is displayed on the viewfinder screen, and controls the status displays, messages, marker displays, etc. Whether or not to display each item, as well as the display conditions when items are to be displayed, can be selected according to the user's convenience. For example, display ON/OFF for the ! lamp display which informs the user that the unit has entered irregular status can be selected for 8 different conditions.

The setting menu is also used to select various settings and functions and execute memory card operations, etc.

### Setup cards

Setting menu and subject data can be stored on SRAM memory cards with a capacity of 64 kilobytes or greater which conform to PCMCIA standard ratings as setup cards. Stored data can be saved individually or according to the shooting conditions, allowing the same setup conditions to be easily reproduced and assisting in standardizing setup conditions between individual data.

An ATA flash memory card with a memory size of 4 MB or more is required to operate the Picture Link (Pix Link) function sold as an optional accessory.

### High-function electronic shutter

Using the built-in electronic shutter achieves steady images even of quickly moving subjects. In addition, the following special operation modes can also be selected.

- Synchro scan mode: This mode is suited for shooting personal computer and workstation monitor screens (60.8–250 Hz), and provides images with little horizontal stripe noise.
- High vertical resolution (Super V) mode: This mode provides images with high vertical resolution compared to standard mode.

### Wide range of video gain selections

Gain values can be selected from –3 dB to +30 dB using the setting menu and the GAIN switch. The high S/N ratio allows images with little noise to be obtained even when the gain is increased for shooting in dark locations. Using the SUPER GAIN switch provided specially to implement the super gain function, the video gain can be set to 30 or 36 dB.

## **Automatic adjustment and memory functions for black balance/white balance**

The black set, black balance and white balance can be automatically adjusted by simple switch operations. Adjustment values are held in the memory even if the power for the unit is turned off, so there is no need to readjust the balance each time the power is turned on.

There are two memory systems for white balance which can hold four adjustment values each for the CC and ND filters, making a total of eight adjustment values. When adjustment values matching the illumination conditions are selected from among the values stored in the memory, the unit is automatically adjusted to the corresponding white balance. (A menu setting also allows adjustment of only two values instead of the values for each filter.) In addition, when the unit is shipped from the factory, the white balance value for 3200K is stored in the memory as a preset value. This value can be called when there is no time to adjust the white balance, etc.

## **Character display function**

The unit is equipped with a function that displays switch settings, the automatic adjustment status for black balance and white balance, warning displays, etc. on the viewfinder screen.

In addition, when using an Anton Bauer Digital Magnum series battery as the unit's power supply, the remaining battery level can be displayed numerically on the viewfinder screen.

## **Warning system for displaying the VTR section status**

The unit informs of VTR trouble, the end of the tape, battery wear, etc. with various warning lamps and a warning tone. The remaining tape time can also be checked by the character display inside the viewfinder.

## **Four filter disks as standard equipment**

CC (color temperature conversion) and ND (neutral density) filters are provided as standard equipment. This allows the optional filter setting to be selected from among four combinations in accordance with the brightness of the subject.

## **Fine adjustment of the automatic iris reference value**

The reference value for automatic iris adjustment can be finely adjusted by setting menu operations.

## **Auto close function**

The unit is equipped with an auto close function which automatically closes the lens in the following cases.

- When the black balance is automatically adjusted.
- When the power is turned off in the auto iris mode.

## **Generation of SMPTE/SNG color bar and reference audio signals**

The camera section contains a circuit which generates an SMPTE type color bar signal to facilitate color monitor adjustments, and a circuit which generates a reference level audio signal to facilitate audio level adjustments.

The unit also contains a circuit for generating SNG color bar signals which come in handy for sending signals to communication satellites.

## **Functions and circuits for assuring high picture quality**

The AJ-D610WA is equipped with the following functions (and circuits) in order to assure high picture quality and is designed to make the fullest use of the advantages of the high-performance CCD.

- A built-in AUTO KNEE circuit achieves a wide dynamic range which allows large signals to pass through.
- A built-in 2-line image enhancer
- A built-in shading compensation function for use with a lens extender
- A built-in sawtooth wave generator for adjustments
- A zebra pattern ON/OFF selector switch which selects three types of zebra patterns including spot zebra from two levels of zebra patterns.

# Features

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## **Audio functions**

- A phantom power supply type super-cardioid microphone (option) can be attached and it can also be detached from the main unit for use in interviews.
- Microphone can also be connected, and can be attached to the main unit using the AJ-MH700P microphone holder (option).
- The audio CH1 recording level can be easily adjusted at the front panel of the unit.

## **Recording by an external VTR**

When an external VTR is connected using the 26-pin/12-pin output adaptor (option, AJ-YA900P), recording can be performed by the external VTR instead of the internal VTR.

## **Remote control**

Connecting the Extension Control Unit (option, AQ-EC1) allows a portion of the camera section functions to be operated by remote control.

# Features

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## Features of the VTR section

### **Digital system**

The VTR section features a component digital recording system that employs the latest compression technology and non-compressed PCM recording for audio. This system provides superior S/N, frequency band and waveform characteristics as well as reproduction of detailed areas, etc., and realizes even higher picture and sound quality.

### **Rec review function**

By automatically rewinding and playing back the last two to ten seconds or so of the recording, this function enables what has been recorded to be promptly checked out.

### **Playback function**

This function enables the playback picture (black-and-white picture) to be seen on the viewfinder screen. In addition, color playback pictures can be output from the unit's VIDEO OUT connector.

### **Built-in time code generator/reader**

Time code information can be recorded and played back on a dedicated subcode track.

### **Locking of the time code to an external source**

The built-in time code generator can be locked to an external generator. Also, the built-in time code generator uses a lithium battery as its back-up power supply, allowing time codes to be backed up for approximately one year even if power is not supplied to the unit.

### **Built-in DOLBY NR System\***


A Dolby B Noise Reduction System is built in for audio recording in the longitudinal direction.

### **Successive shooting**

Images can be shot successively within an accuracy of 0—+1 frame simply by pressing the VTR START button or the lens VTR button.

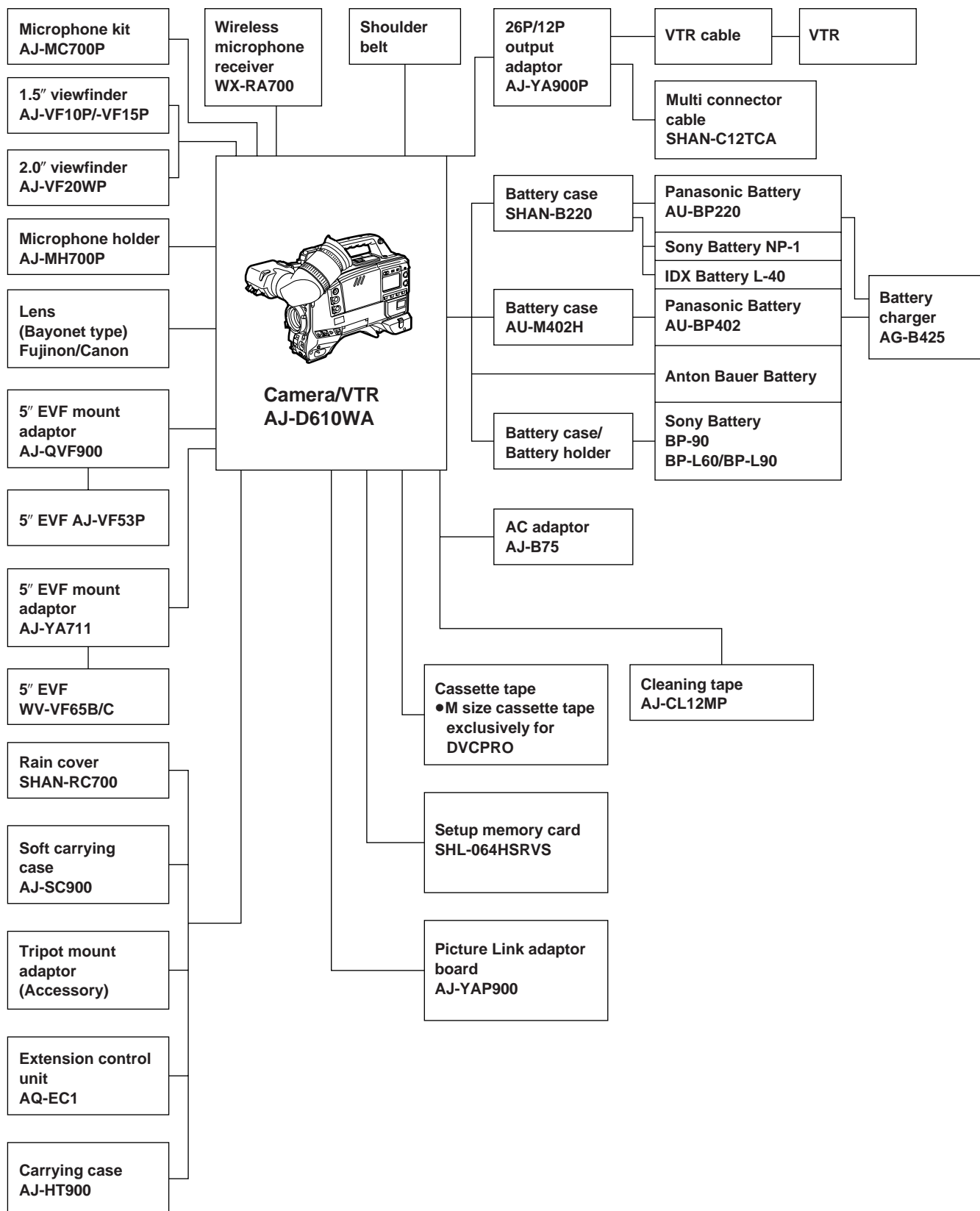
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\*Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

“Dolby” and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

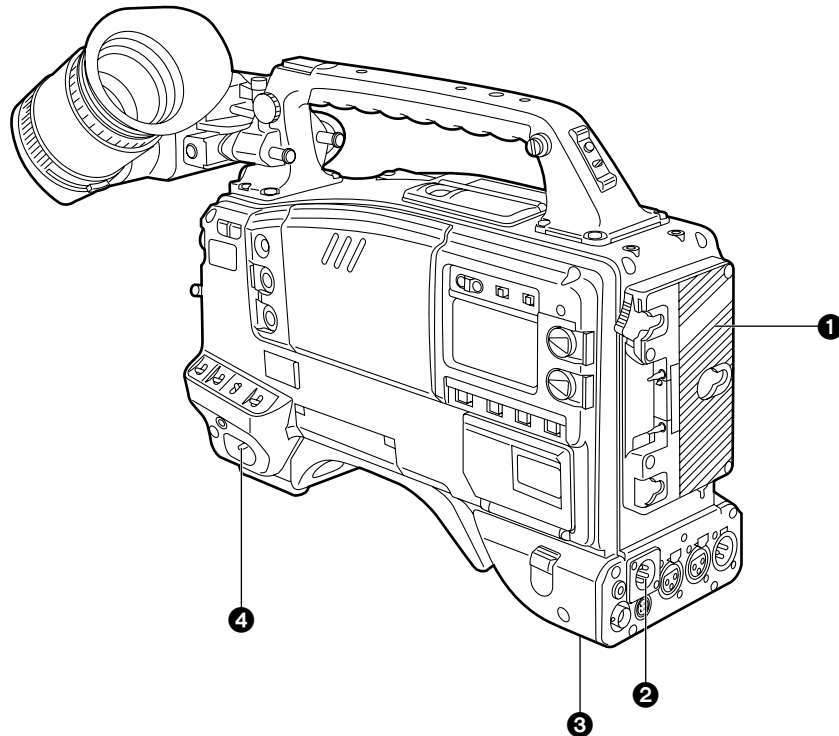


# System Configuration



## Controls and Their Functions

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### Power Supply Section

**❶ Battery holder**

The battery pack (option) made by Anton Bauer is mounted onto this holder.

**❷ DC IN (external power input) connector (XLR, 4P)**

The AJ-B75 AC adaptor (option) is plugged into this socket when the unit is to be operated by AC power. An external battery is plugged in when an external battery is to be used to operate the unit.

**❸ BREAKER (circuit breaker) button**

In order to protect the equipment, the circuit breaker is tripped and the power is automatically turned off when an excessively high level of power flows inside. Upon completion of the internal inspection and adjustments, push this button back in. The power will come back on provided that there is no trouble inside the unit.

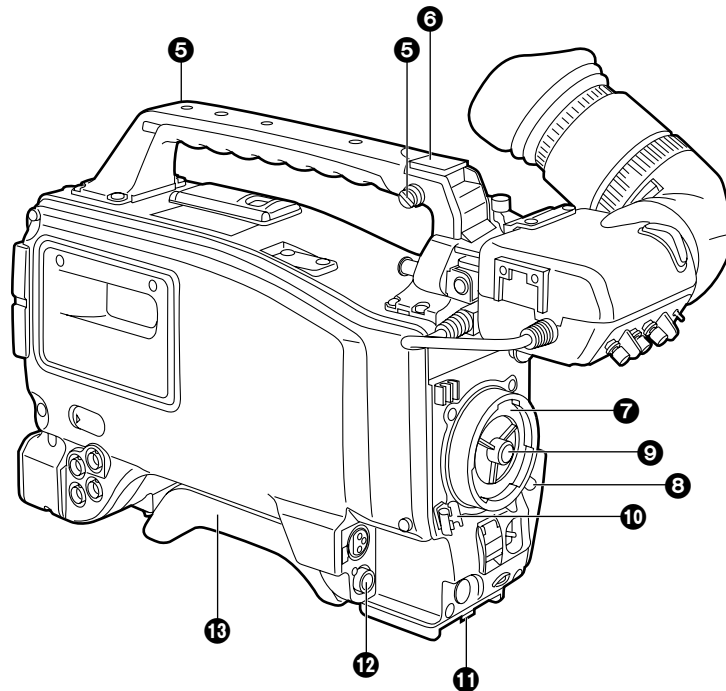
**❹ POWER switch**

**ON:** Set to this position to turn on the unit's power.

**OFF:** Set to this position to turn off the unit's power.

## Controls and Their Functions

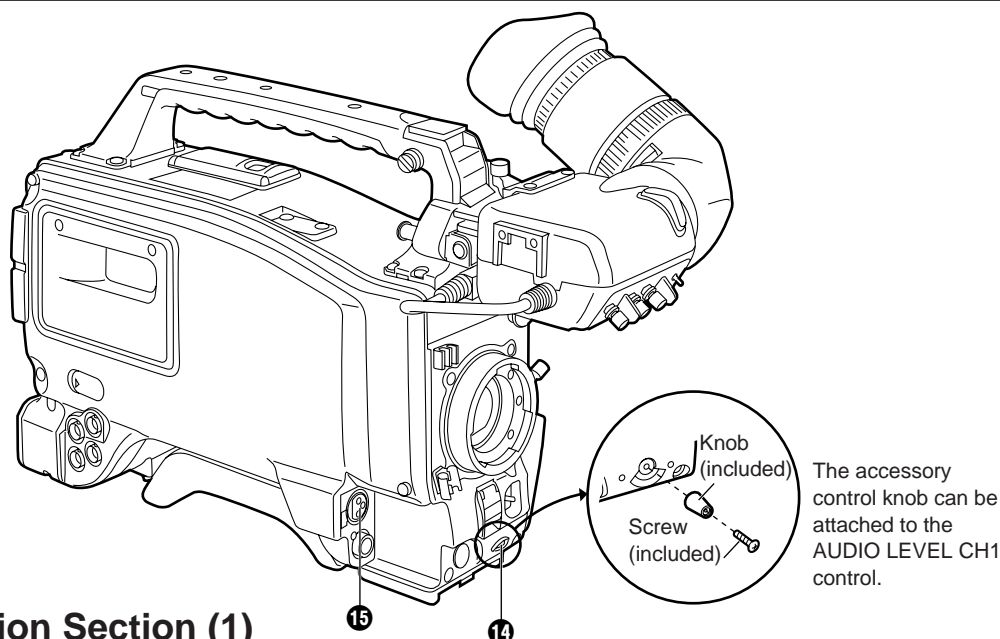
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### Accessory Mounting Section

- ⑤ Hook for mounting shoulder belt**  
Attach the accessory shoulder belt to this hook.
- ⑥ Light shoe**  
Mount the video light, etc. onto this shoe.
- ⑦ Lens mount (bayonet type)**  
Mount the lens here.
- ⑧ Lens clamping lever**  
Insert the lens into the lens mount ⑦, and turn the lens mount ring using this lever to clamp the lens.
- ⑨ Lens mount cap**  
Press up the lens clamping lever ⑧ to remove this cap. Keep the cap in place if the lens is not going to be mounted.
- ⑩ Lens cable clamp**  
This is for clamping the lens cable.
- ⑪ Tripod mount**  
When the unit is to be secured to a tripod, mount the accessory tripod attachment.
- ⑫ LENS connector (12-pin)**  
Hook up the lens connecting cable to this connector. Consult with your dealer concerning the lens which you are going to use.
- ⑬ Shoulder pad**  
Adjust this pad to facilitate operation when carrying the unit on your shoulder. Its position can be brought forward or backward and adjusted by loosening the two set screws.

# Controls and Their Functions



## Audio Function Section (1)

### 14 AUDIO LEVEL CH1 (audio channel 1 recording level) control

When the AUDIO SELECT CH1/CH2 switch 17 is set to MAN, the recording level of audio channel 1 can be adjusted by this control in addition to the AUDIO LEVEL CH1 control 16 on the side panel.

### 15 MIC IN (microphone input) jack (XLR, 3-pin)

Connect an optional microphone to this jack. The power for the microphone is supplied from this jack.

### 16 AUDIO LEVEL CH1/CH2 (audio channel 1/2 recording level) controls

When the AUDIO SELECT CH1/CH2 switch 17 is set to MAN, the audio level of audio channels 1 and 2 can be adjusted using these controls.

However, the audio CH1 level can also be adjusted using the AUDIO LEVEL CH1 control 14 on the front panel.

### 17 AUDIO SELECT CH1/CH2 switch (audio channel 1/2 auto/manual level adjustment selector) switch

This selects the method used to adjust the audio levels of audio channels 1 and 2.

**AUTO:** For adjusting the levels automatically.

**MAN:** For adjusting the levels manually.

### 18 AUDIO IN (audio input selector) switch

This selects the input signals to be recorded on audio channels 1 and 2.

**FRONT [MIC]:** The microphone input signals connected to the MIC IN jack 15 are recorded.

**REAR [MIC]:** The microphone input signals connected to the AUDIO IN CH1/CH2 connectors 21 are recorded.

**REAR [LINE]:** The line input signals connected to the AUDIO IN CH1/CH2 connectors 21 are recorded.

### 19 REAR MIC POWER switch

**ON:** The phantom power is supplied to the rear microphone.

**OFF:** The phantom power is not supplied to the rear microphone.

### 20 CUE switch

**CH1:** The audio CH1 signals are recorded on the cue track.

**1/2:** The signals of audio CH1 and CH2 are mixed together and recorded on the cue track.

**CH2:** The audio CH2 signals are recorded on the cue track.

### 21 AUDIO IN CH1/CH2 (audio input channel 1/2) connectors (XLR, 3P)

An audio component or microphone is connected here.

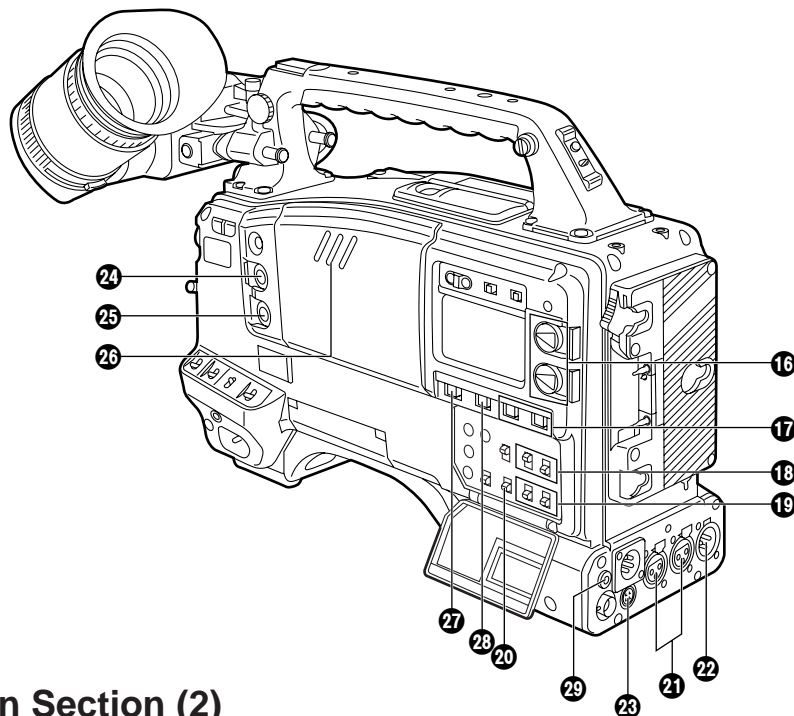
### 22 AUDIO OUT connector (XLR, 3P)

This is connected to an audio component. The audio channels are coupled to the MONITOR SELECT switch 27 and switched in tandem.

### 23 DC OUT (DC power output) connector

This is the DC 12 V output connector. A current of approximately 100 mA can be taken out.

# Controls and Their Functions



## Audio Function Section (2)

### 24 ALARM (warning tone volume) control

This adjusts the warning tone volume heard from the speaker 26 or the earphone connected to the PHONES jack 29. When it is set to the lowest position, the warning tone is not audible. However, by making changes to the inside parts, the tone can be made audible even when the control is at its lowest position.

### 25 MONITOR (volume) control

This adjusts the volume of the sound other than the warning tone—the sound from the speaker 26 or earphone 29. When it is set to the lowest position, no sound is heard.

## Audio Function Section (3)

### 26 Speaker

During recording, the EE sound can be monitored; during playback, the playback sound can be monitored.

The warning tone is heard through the speaker in synchronization with the flashing or lighting of the warning lamp and warning display.

The speaker sound is automatically muted when an earphone is connected to the PHONES jack 29.

### 27 MONITOR SELECT (audio channel selector) switch

This selects the audio channel whose sound is to be heard through the speaker 26 AUDIO OUT connector 22, or earphone.

**CH1:** The audio channel 1 sound is output.

**1/2:** The sound produced by mixing the audio channel 1 and 2 sound or the stereo sound is output. However, only the mixed sound is output from the speaker 26 and AUDIO OUT connector 22.

**CH2:** The audio channel 2 sound is output.

### 28 MONITOR (sound selector) switch

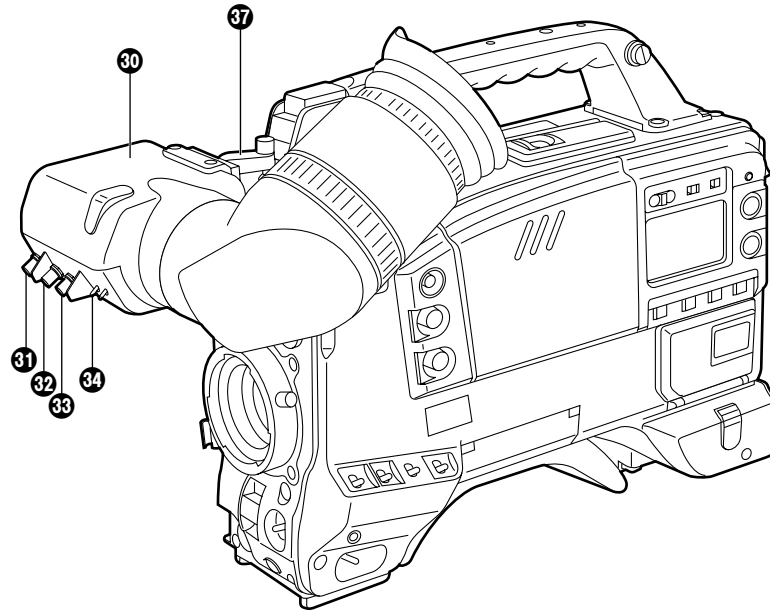
This selects the sound of the earphone when 1/2 is selected with the MONITOR SELECT switch 27.

**ST:** The stereo sound of audio channels 1 and 2 is output.

**MIX:** The mixed sound of audio channels 1 and 2 is output.

### 29 PHONES (earphone) jack (mini-jack)

When an earphone (option) is connected to this jack, the sound selected by the MONITOR switch 28 can be heard. The warning tones relating to the unit's operation or status can also be heard. An earphone enabling a sufficiently high volume of sound to be heard is recommended. When the earphone is connected, speaker 26 sound is automatically muted.



(The viewfinder shown in the illustration is the AJ-VF10P.)

## Shooting (Recording)/Playback Function Section (1)

### 30 Viewfinder (optional accessory)

Black-and-white images can be seen in the viewfinder during recording and playback. Warnings and messages relating to the unit's operating status and settings, zebra pattern, markers (safety zone marker, center marker), etc. can also be seen.

### 31 PEAKING control

This is used to adjust the contours of the images inside the viewfinder to facilitate focusing. It does not affect the camera's output signals.

### 32 CONTRAST control

This is used to adjust the contrast of the screen inside the viewfinder. It does not affect the camera's output signals.

### 33 BRIGHT control

This is used to adjust the brightness of the screen inside the viewfinder. It does not affect the camera's output signals.

### 34 ZEBRA (zebra pattern) switch

This displays the zebra pattern inside the viewfinder.

**ON:** The zebra pattern is displayed.

**OFF:** The zebra pattern is not displayed.

When the unit is shipped from the factory, the zebra pattern is set in such a way that those parts with an IRE video level from approx. 70% to 85% are displayed. The displaying of parts with a level ranging from 50% to 110% or more or with a certain level can also be set on the setting menu.

### 35 Diopter control knob

This is adjusted in such a way that the images on the viewfinder screen are seen most clearly in accordance with the dioptric power of the camera's operator.

### 36 Eye cup

### 37 Viewfinder forward-backward/left-right position clamp lever

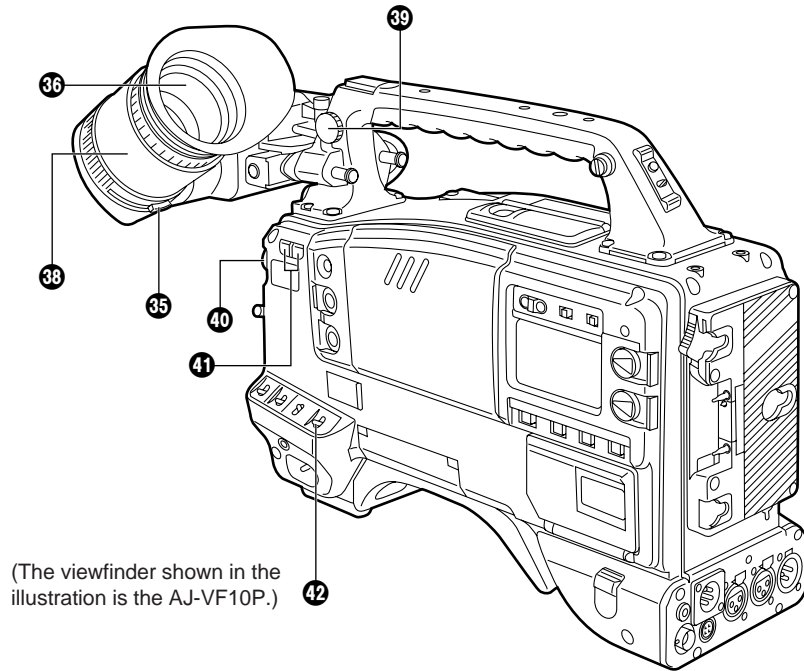
Loosen this lever to adjust the position of the viewfinder 30 in the forward-backward or left-right direction.

### 38 Eyecup forward-backward movement ring

Turn this ring to adjust the position of the eyecup 36 in the forward-backward direction.

### 39 Viewfinder stopper screw

To detach the viewfinder 30 from the camera, loosen this screw and then detach the viewfinder.



## Shooting (Recording)/Playback Function Section (2)

### 40 CC/ND FILTER (filter selector) knob

This selects the filter to match the light source which is illuminating the subject. If the setting of this knob is changed when the menu display mode has been set to “3” (default setting), the new setting will appear on the setting change message display area of the viewfinder screen.

■ The knob and filter settings are listed below.

FILTER knob setting	Description
1	3200 K
2	5600 K+ 1/8ND
3	5600 K
4	5600 K+ 1/64ND

■ Examples of filter settings to match shooting conditions

Filter	Shooting condition
1	Sunrise, sunset, inside a studio
2	Outdoors under a clear sky
3	Outdoors under a cloudy or rainy sky
4	Snow scenes, high mountains, coastlines and other extremely clear and bright scenes

### 41 Synchro scan adjustment switches

These switches are used to adjust the synchro scan speed. Pressing the “–” switch reduces the shutter speed; pressing the “+” switch increases the shutter speed. Set these switches to a position where the side bar noise in the viewfinder is eliminated during personal computer monitor shooting, etc.

<Note>

When these switches are used for UB/TC/CTL settings while the SET position has been selected as the TCG switch position, they will not serve their function as synchro scan adjustment switches. The TCG switch must be set to F-RUN or R-RUN for these switches to serve their function.

### 42 WHITE BAL (white balance memory selector) switch

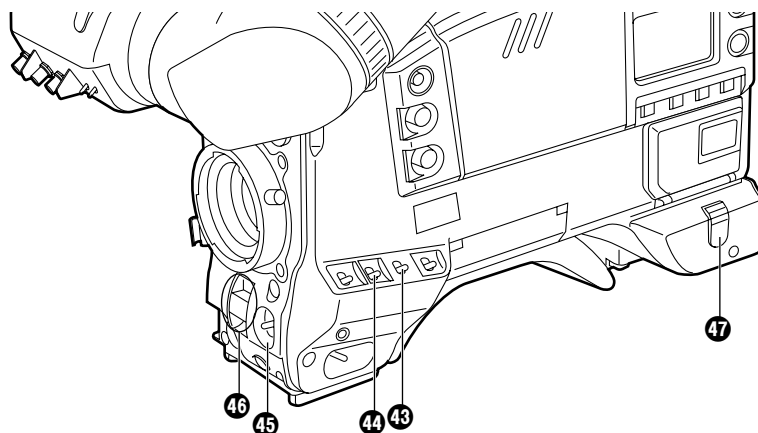
**PRST:** Set to this position when there is no time to adjust the white balance. The white balance value for 3200 K is stored in the memory.

**A or B:** When the AUTO W/B BAL switch 45 is pressed to the AWB side, the white balance is automatically adjusted in accordance with the setting position of the filter knob 40, and the adjustment value is stored in memory A or memory B.

When the FILTER knob and the WHITE BAL switch are set to the same positions as the ones set when the adjustment was made, the adjustment value stored in the memory is called, and the unit is automatically adjusted to the white balance which corresponds to this value.

If the setting of this switch is changed when the menu display mode has been set to “3” (default setting), the new setting will appear at the WHITE BAL switch display position on the viewfinder screen. (Example: “A”)





## Shooting (Recording)/Playback Function Section (3)

### 43 OUTPUT (output signal selector)/AUTO KNEE switch

This switch selects the video signals which are to be output from the camera unit to the VTR unit, viewfinder and video monitor. The AUTO KNEE function can be used when the images shot by the camera have been selected.

#### ■ OUTPUT/AUTO KNEE switch setting positions

BARS	Color bar signals are output. The AUTO KNEE circuit is not activated. Set the switch to this position in the following cases: ●When adjusting the video monitor ●When recording color bar signals
CAM, AUTO KNEE OFF	The images shot by the camera are output. The AUTO KNEE circuit is not activated. The default setting is "MANUAL KNEE".
CAM, AUTO KNEE ON	The images shot by the camera are output. The AUTO KNEE circuit is activated.

### 44 GAIN (gain selector) switch

This is used to change the video amplifier's gain in accordance with the lighting conditions during shooting. The gain values corresponding to the L, M and H settings are assigned beforehand on the setting menu. When the unit is shipped from the factory, these settings are: L=0 dB, M=9 dB and H=18 dB.

If the setting of this switch is changed when the display mode has been set to "3", the new setting will appear at the gain display position on the viewfinder screen. (Example: "12 dB")

### 45 AUTO W/B BAL (white balance/black balance automatic adjustment) switch

**AWB:** Set to this position for automatically adjusting the white balance. When the WHITE BAL switch 42 is now set to "A or B", the adjusted value will be stored in memory A or memory B.

**ABB:** Set to this position for automatically adjusting the black balance. When this switch is held down for at least 6 seconds at the ABB position, the auto black shading will be compensated automatically.

### 46 SHUTTER switch

Set this to ON when using the electronic shutter. When it is pressed to the SEL side, the shutter speed and mode displays change in the ranges preset on the setting menu. If the setting of this switch is changed when the display mode has been set to "2" or "3", the new setting will appear at the shutter display position on the viewfinder screen. (Example: ":1/250", ":1/60.8")

#### 1) AUTO KNEE function

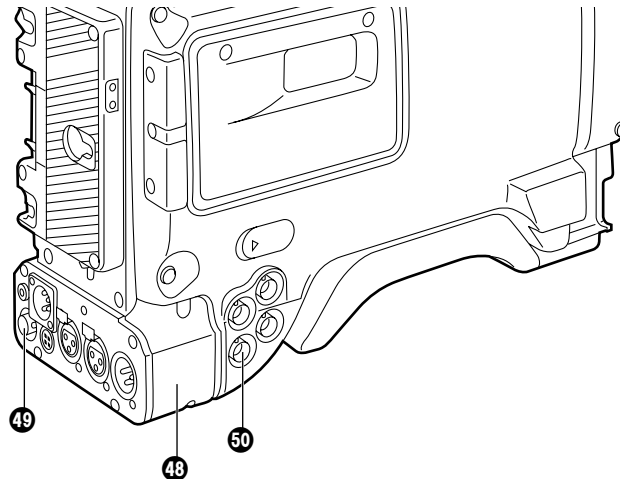
When the level is adjusted to people, scenes, etc. for shooting against a very bright background, the background will be whited out and the buildings or scenes in the background will become blurred. If the AUTO KNEE function is activated in cases like these, the background can be reproduced in clear detail. This function is especially effective for shooting in the following conditions:

- When shooting people in shade under a clear sky
- When simultaneously shooting people in vehicles or indoor and the outdoor scenery seen through the windows
- When shooting scenes with a high contrast



## Controls and Their Functions

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**47 ECU REMOTE (remote control) connector (6-pin)**

Connect the AQ-EC1 extension control unit (option) here.

**<Note>**

The POWER switches on unit and extension control unit must be set to OFF before the remote control cable is connected or disconnected.

**48 26-pin/12-pin output adaptor** (See page 104 for mounting method.)

The 26-pin/12-pin output adaptor AJ-YA900P (option) is mounted on this section. When the portable VTR is connected as the external VTR, recording can be performed simultaneously with the unit's built-in VTR.

Furthermore, by connecting the SHAN-C12TCA multi-connector cable (optional accessory) to the 12-pin connector, it is possible to output the sound of audio channels 1 and 2 separately.

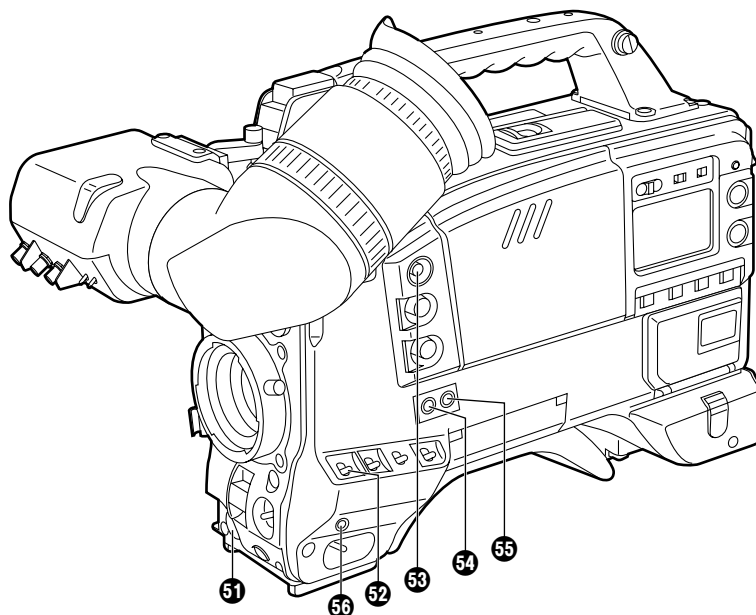
**49 VIDEO OUT connector (BNC)**

This outputs the video signals (75 $\Omega$  termination, rated level) to be monitored. During recording, EE images can be monitored; during playback, playback images can be monitored.

While performing settings on the menu, the setting menu can be superimposed onto the shot images appearing on the monitor screen so that the settings can also be checked.

**50 CAM OUT (camera output) connector (BNC)**

This outputs the composite video signals (75 $\Omega$  termination, rated level). When a video monitor is connected, the images shot by the camera can be monitored. Even while the VTR is playing back, the camera's images are output at all times.



## Shooting (Recording)/Playback Function Section (4)

### 51 VTR START button

When this pressed, recording commences; when it is pressed again, recording stops. This button has the same function as the VTR button on the lens side.

### 52 VTR SAVE/STBY (tape protection) switch

This selects the power supply status while the VTR recording is temporarily stopped (REC PAUSE).

**SAVE:** This is the tape protection mode. The cylinder is stopped in the half-loading status. Compared with the STBY position, less power is consumed and the unit can be operated longer using the battery. It takes longer for recording to commence after the VTR START button 51 is pressed in the SAVE position than in the STBY position.

When the switch is set to this position, the VTR SAVE lamp inside the viewfinder lights.

**STBY:** Recording commences immediately when the VTR START button is pressed.

#### <Note>

This unit will automatically go into SAVE mode when the designated time for standby (STBY) condition is exceeded. To return to standby mode, press the VTR SAVE/STBY switch once to select SAVE mode, then once again to return to STBY mode.

### 53 MODE CHECK button

While this button is kept depressed, the camera's setting status is displayed in the viewfinder. It does not affect the camera's output signals.

### 54 SUPER GAIN button (inside sliding cover)

The super gain mode is forcibly established when this button is pressed, and each time the button is pressed when all the super gain values have been set using "SUPER GAIN" on the MAIN menu 2 of 4 screen, the gain is switched by one level in the following sequence: 30 dB→36 dB→OFF→30 dB, etc. However, the DTL and other menu settings cannot be performed.

### 55 SUPER IRIS button (inside sliding cover)

This is used when backlight compensation (or the super black function\*) is to be provided. When it is pressed, the switch settings are displayed inside the viewfinder for 3 seconds. When it is pressed again, backlight compensation (or the super black function\*) is released.

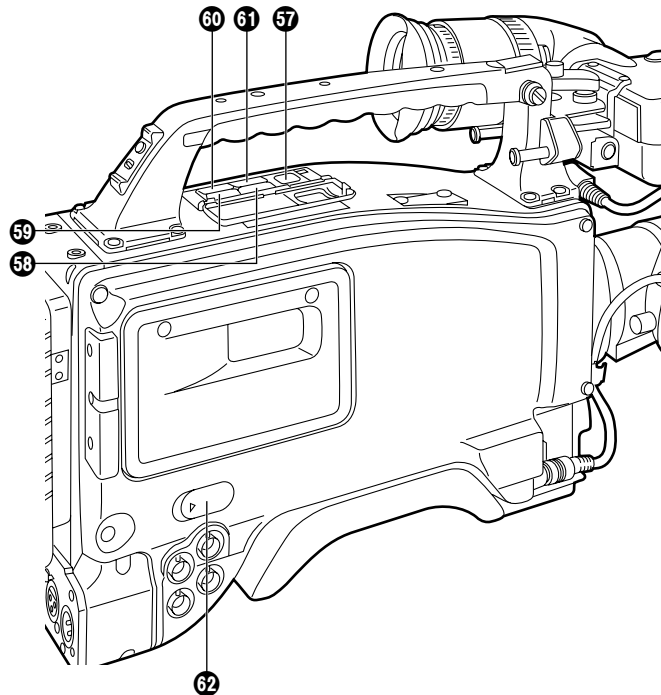
\*1See Main Menu Screen 2 of 4 on page 126 for details on the super black function.

---

**Super gain:** When 30 dB is allotted to the SUPER IRIS button, DTL and other menu settings cannot be performed for this 30 dB.

## Controls and Their Functions

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**56 MARK button**

This is used when the Picture Link (Pix Link)\*1 function is to be used. Each time it is pressed M1 (MARK1), M2 (MARK2) or no display appears in the viewfinder.

\*1Picture Link adaptor board (AJ-YAP900) is sold as an option.

**57 EJECT (cassette eject) button**

Press this to insert or eject the cassette.

**58 REW (rewind) button**

Press this to rewind the tape. Its lamp lights during rewinding.

If this button is pressed during playback, the playback images are rewound at approximately quadruple speed while the button is held down.

**59 FF (fast forward) button**

Press this to fast forward the tape. Its lamp lights during fast forwarding.

If this button is pressed during playback, the playback images are fast forwarded at approximately quadruple speed while the button is held down.

**60 PLAY/PAUSE button**

Press this to view the playback images on the viewfinder screen or color video monitor. Its lamp lights during playback.

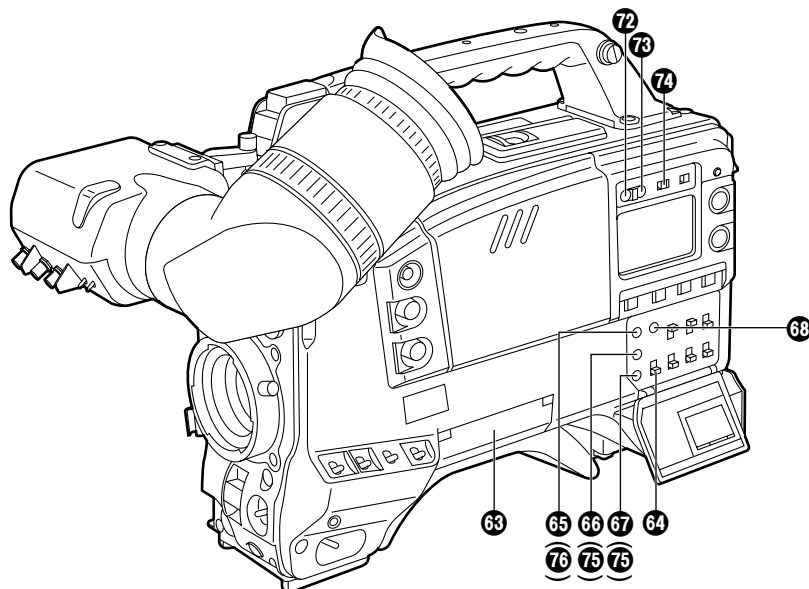
If this button is pressed again during playback, playback is paused and the lamp goes off. After playback has been paused for 2 minutes, the unit automatically switches to stop status (STOP).

**61 STOP button**

Press this to stop the tape travel.

**62 EMERGENCY screw (inside the rubber cap)**

For details, refer to the "emergency eject" function (on page 149).



## Menu Operation Section

### 63 Setup card insertion slot

The optional setup cards are inserted into this slot.

### 64 MENU SET/OFF switch

This displays the setting menu on the viewfinder screen through VIDEO OUT connector.

**SET:** The page on which the previous setting menu operations were completed appears on the viewfinder screen. (When the menu is used for the first time, the first of the pages which can be displayed appears.)

**OFF:** The setting menu is not displayed on the viewfinder screen through VIDEO OUT connector.

### 65 SHIFT/ITEM button

Each time this button is pressed, the cursor moves on the setting menu page now displayed. Use it when selecting items.

<Note>

This switch functions differently depending on the operation item. Check the function by operating the menu item by item.

### 66 UP button

This is used to increment the setting of the item selected on the setting menu by 1 level each time it is pressed or to switch the setting between ON and OFF.

### 67 DOWN button

This is used to decrement the setting of the item selected on the setting menu by 1 level each time it is pressed or to switch the setting between ON and OFF.

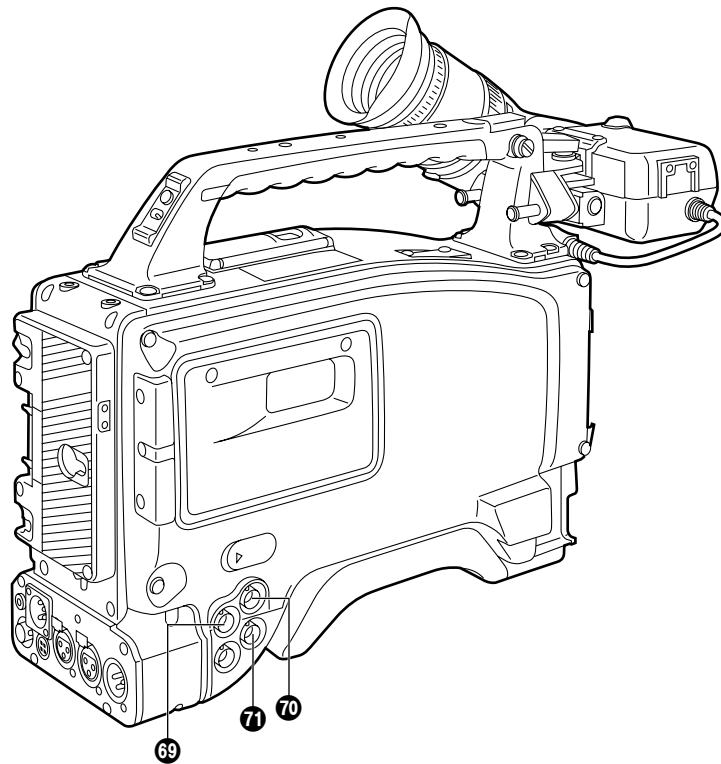
### 68 PAGE button

This is used to select the setting menu page.

## Time Code-Related Section (1)

### 69 GENLOCK IN/(VIDEO IN) connector (BNC)

The reference signal is supplied to this connector when the camera section is to be subject to genlock operation or when the time code is to be locked externally. Also, the signal input to this jack can be displayed in the viewfinder as the return video signal. Refer to "RET Button" on page 106 for details.



**70 TC IN connector (BNC):**

The time code serving as the reference is input when the time code is locked to an external source.

**71 TC OUT connector (BNC):**

Connect this to the time code TC IN connector on the external VTR when locking the external VTR's time code to this unit's time code.

## Time Code-Related Section (2)

**72 HOLD button**

The time data appearing on the counter display at the instant when this button is pressed is held. (The time code generator will still continue to run.) When the button is pressed again, the hold status is released. Use the button to ascertain the time at which a particular scene was shot, for example.

**73 RESET button**

This resets the time data on the counter display to "00:00:00:00". When the TCG switch **77** is set to SET and this button is pressed, the time code or user's bit can be reset to "00:00:00:00" or "00 00 00 00".

**74 DISPLAY switch**

The time code, CTL or user's bit is made to appear on the counter display depending on the setting positions of this switch and the TCG switch **77**.

**UB:** The user's bit is displayed.

**TC:** The time code is displayed.

**CTL:** CTL is displayed.

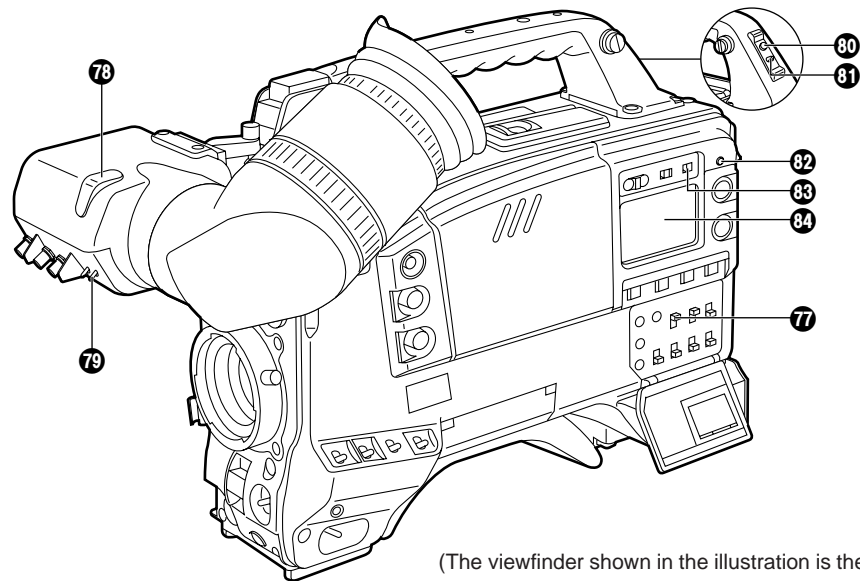
**75 UP button, DOWN button**

When setting the time code or user's bit, these buttons increment or decrement by 1 the figure of the digit made to flash by the SHIFT/ITEM button **76**.

**76 SHIFT/ITEM (digit advance) button**

When setting the time code or user's bit, this button is used to cause the digit which is to be set to flash.

# Controls and Their Functions



## 77 TCG (time code selector) switch

This is used to set the running mode of the internal time code generator.

**F-RUN:** This position is used when the time code is to be advanced continuously regardless of the VTR's operation.

Set to this position when aligning the time code with the actual time or locking the time code to an external source.

**SET:** This position is used for setting the time code or user's bit.

**R-RUN:** This position is used when the time code is to be advanced only while recording is in progress. The time code will be recorded continuously on a tape with a succession of unedited shots.

## Warning/Status Display Section

### 78 Tally lamp

This is activated when the TALLY switch 79 is at HIGH or LOW, and it lights during recording by the VTR section. It flashes in the same way as the REC lamp inside the viewfinder to warn the operator. The brightness when lighted can be selected using the TALLY switch (HIGH or LOW).

### 79 TALLY switch

This controls the tally lamp 78.

**HIGH:** The tally lamp is made brighter.

**OFF:** The tally lamp is extinguished.

**LOW:** The tally lamp is made darker.

### 80 Back tally lamp

This functions in the same way as the tally lamp 78 when the back tally switch 81 is set to ON.

### 81 Back tally switch

This controls the back tally lamp 80.

**ON:** The back tally lamp operates.

**OFF:** The back tally lamp does not operate.

### 82 WARNING lamp

This flashes or lights when trouble occurs in the VTR section.

### 83 LIGHT switch

**ON:** This illuminates the display window 84.

**OFF:** This extinguishes the display window illumination.

### 84 Display window

The warnings related to the VTR section, remaining battery level, sound level, time data, etc. are displayed in this window.

# Power Supply

Power can be supplied to the unit using a battery pack or AC power supply.

## Using a battery pack

A battery pack which is made by any of the four following manufacturers can be used:

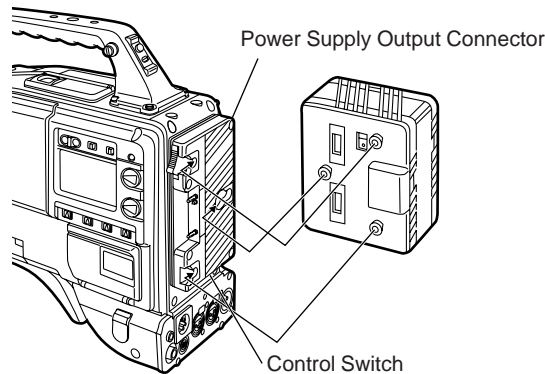
① Panasonic, ② Anton Bauer, ③ Sony or ④ IDX.

Before using a battery pack, be sure to charge it completely using a battery charger.

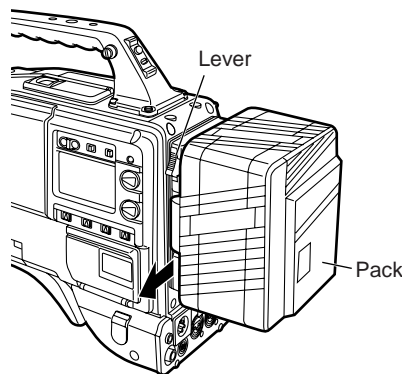
- See the Handling Instructions for the battery pack and battery charger for a detailed explanation of charging methods.

## Using an Anton Bauer Battery Pack

- 1 Mount the battery pack.  
Insert the battery pack in the direction of the arrow and then slide it into place.



- 2 When detaching the battery, hold down the detachment lever of the battery holder and slide the battery pack in the direction of the arrow.



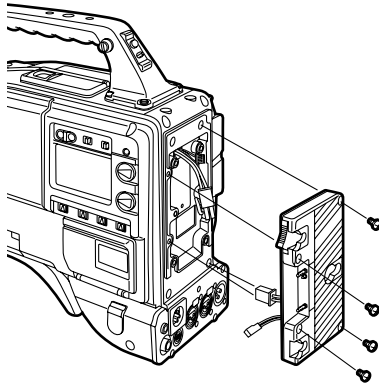
### <Note>

The AJ-D610WA supports the intelligent battery system and the ultra-light system.

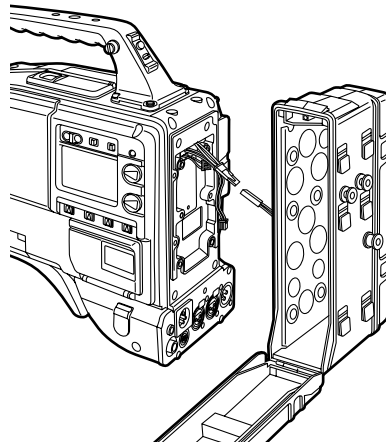
Automatic detection can be performed for intelligent batteries with a remaining battery level of 10% or more. At this time, the remaining battery level is displayed numerically (percentage display) inside the viewfinder. If the power is turned on with a remaining battery level of 10% or less, the voltage is displayed. When external power is supplied after intelligent battery sensing, the remaining battery charge display switches to the externally supplied voltage display.

## Using the Panasonic AU-BP402 Battery Pack

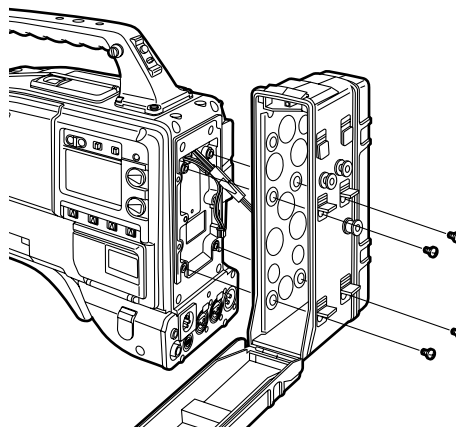
- 1** Detach the battery mounts.



- 2** Connect the unit's connectors with the connectors of the AU-M402H battery case.



- 3** Mount the AU-M402H battery case.  
Open the battery case cover and lift up the rubber cap to expose the screw holes. Tighten the screws with a screwdriver and mount the case to the unit. Be sure to tighten the screws completely.

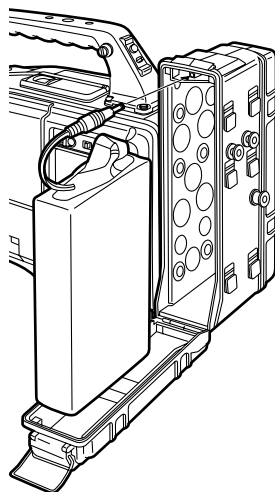


**<Notes>**

- Do not pull strongly on the rubber cap.
- Take care not to catch the connection cord between the battery case and the main unit.



- 4 Connect the battery pack plug to the connector inside the case and insert the battery pack.



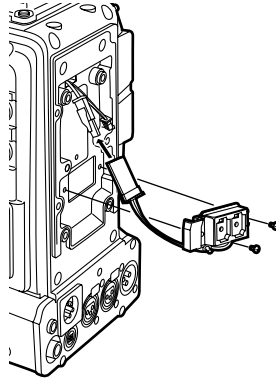
**<Note>**

The unit's power must be set to OFF before the plug is inserted or removed.

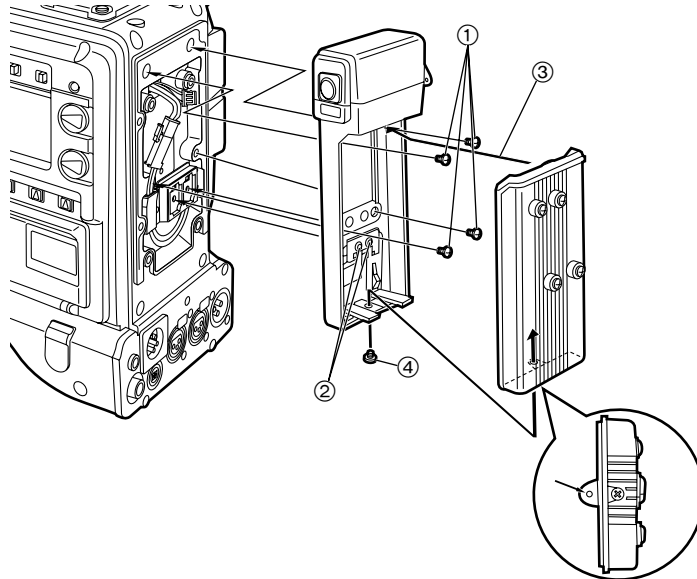
# Power Supply

## Using a Sony Battery Pack

- 1** Remove the battery mounts.  
See page 24.
- 2** Mount the accessory battery mounting connector.



- 3** Mount the Sony battery holder.  
Mount the battery case with the cover detached first, and then mount the detached cover as shown in the figure.
  - ① Tighten the mounting screws.
  - ② Tighten the power supply contact screws.
  - ③ Insert the top of the detached cover in the direction of the arrow.
  - ④ Align the hole at the bottom (metal part) of the cover with the hole at the bottom of the case and mount the cover to the battery mounting connector with the screw of the battery holder.

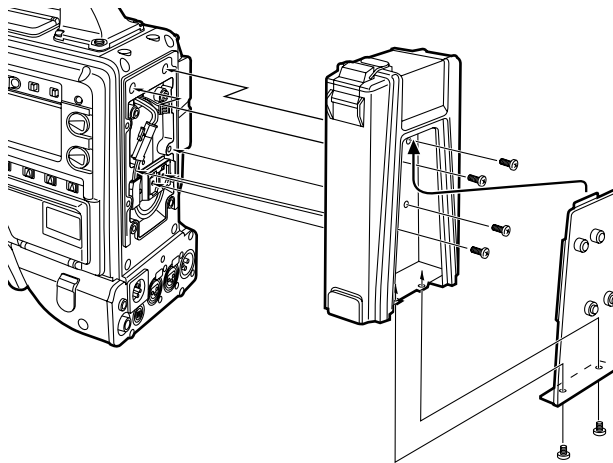


**<Note>**

Take care when attaching the battery holder that the wires are not pinched.

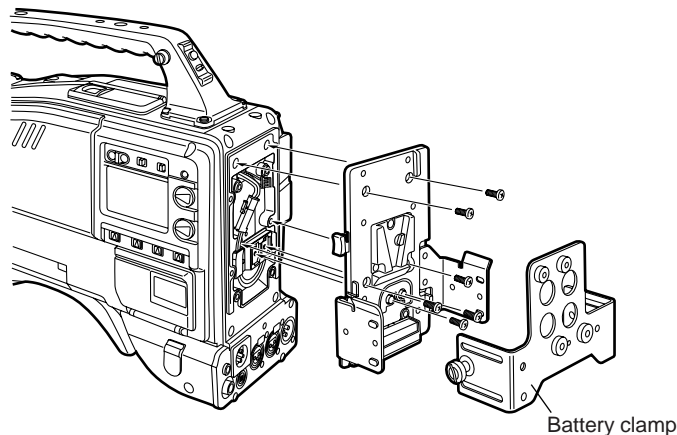
## Using the Sony BP-90 Battery Pack

- 1** Mount the accessory battery mounting connector.  
(See the preceding page.)
- 2** Mount the BP-90 battery case.
  - ① Tighten the mounting screws.
  - ② Tighten the power supply contact screws.
  - ③ Insert the top of the detached cover in the direction of the arrow.
  - ④ Align the hole at the bottom (metal part) of the cover with the bottom of the case and mount the cover to the battery mounting connector with the screw.



## Using the Sony BP-L60/BP-L90 lithium-ion Battery Pack

- 1** Attach the supplied battery mounting terminals.
- 2** Attach the lithium-ion battery holder.
  - ① As shown in the figure, remove the battery clamp, and attach the holder using the mounting screws.
  - ② Tighten the power supply contact screws.
  - ③ Put the battery clamp back into place.



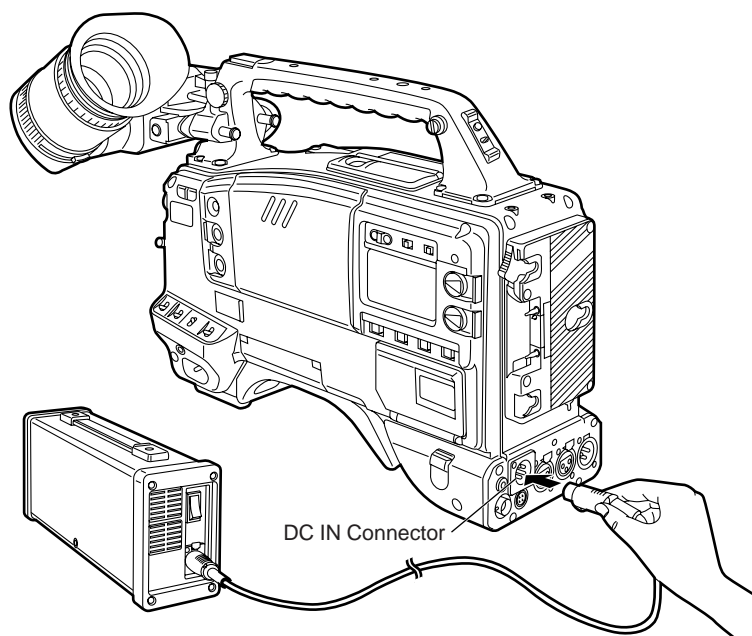
### <Notes>

- The unit's power must be set to OFF before the plug is inserted or removed.
- Take care when attaching the battery case/battery holder that the wires are not pinched.

# Power Supply

## Using an AC Power Supply (When using the AJ-B75 AC Adaptor)

- 1 Connect the unit's EXT DC IN socket with the DC OUT connector of the AJ-B75 AC adaptor.

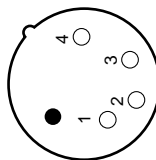


- 2 Set the AC adaptor's power to ON.
- 3 Set the unit's power switch to ON.

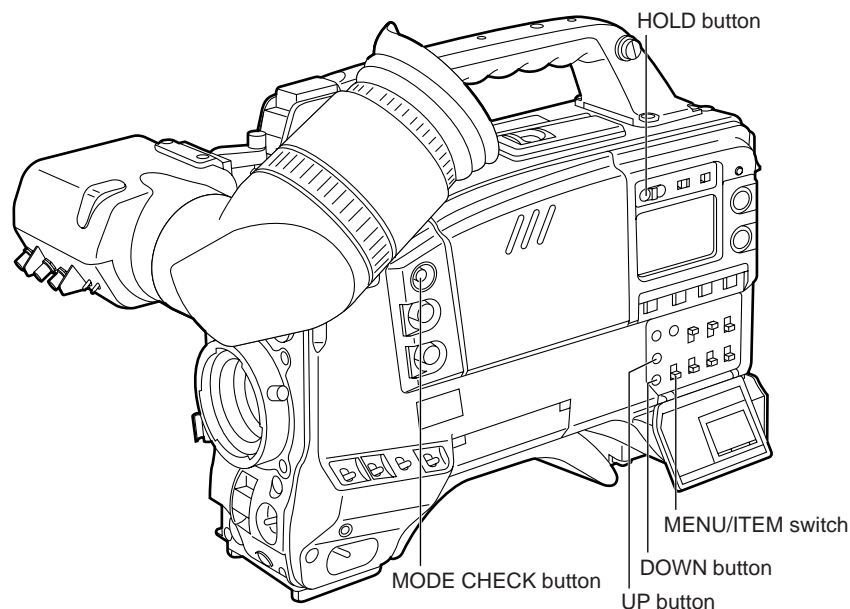
### <Notes>

- When using an external power supply other than the AJ-B75 AC adaptor, check the pin signal of the EXT DC IN socket.
- When both a battery pack and AC adaptor are connected, power is supplied from the AC adaptor.
- When using an AC adaptor, the AC adaptor's power must be set to ON before the unit's POWER switch is set to ON. If this sequence is reversed, the AC adaptor's output voltage will rise slowly and may cause the unit to malfunction.

Pin No.	Signal
1	GND
2, 3	—
4	+12 V

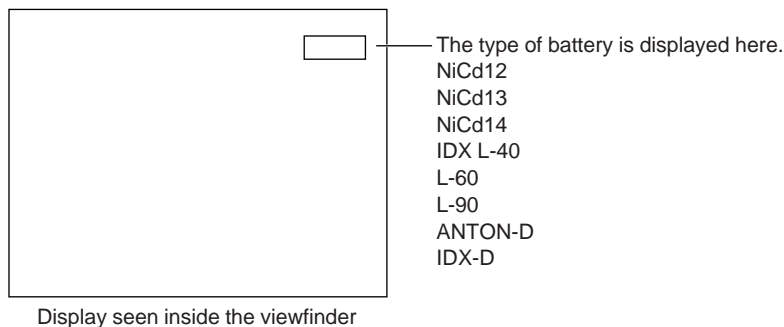


# Checking and Selecting the Type of Battery



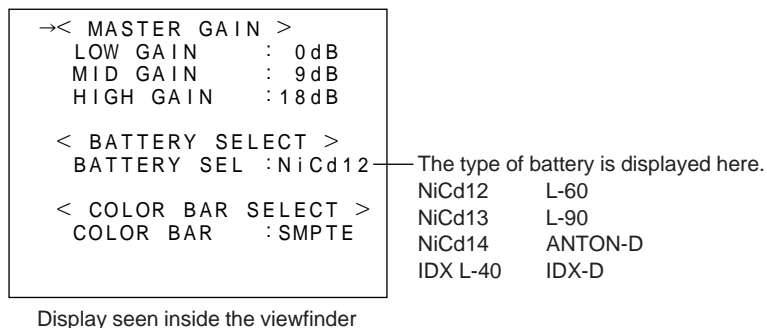
## To check the type of battery

- 1 Press the MODE CHECK button.  
While this button is held down, the type of battery is displayed in the remaining battery charge display area.



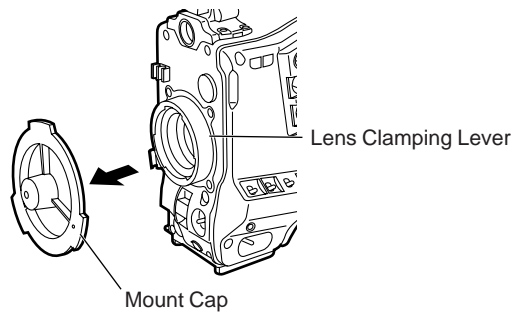
## To select the type of battery

- 1 When the MENU SET/OFF switch is set to SET while the HOLD button is pressed, the battery selection menu appears on the screen.
- 2 Press the SHIFT/ITEM button, and move the arrow (cursor) to BATTERY SEL.
- 3 Press the UP or DOWN button to select the type of battery.

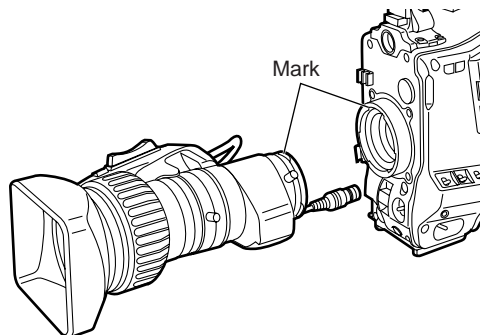


# Mounting the Lens

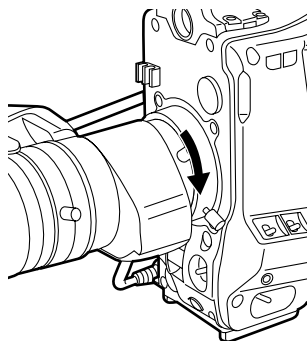
- 1 Raise the lens clamping lever and remove the mount cap.



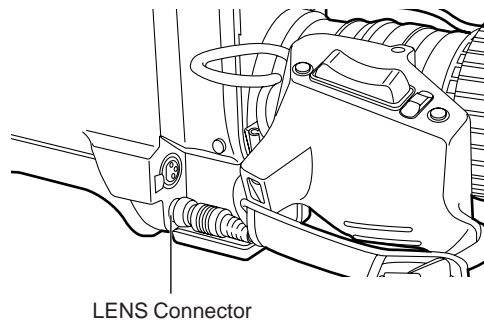
- 2 Align the indentation at the top center of the lens mount with the center mark of the lens and mount the lens.



- 3 Lower the lens clamping lever and clamp the lens.



- 4 Press the cable into the cable clamp and connect it to the LENS connector.



• See the Handling Instructions provided with the lens for lens handling.

## <Note>

The lens and camera adjustments listed below may be necessary depending on the lens to be mounted.

1. Lens flange back adjustment
2. Lens auto iris adjustment
3. Lens white shading adjustment (with this unit)

# Adjusting the Lens Flange

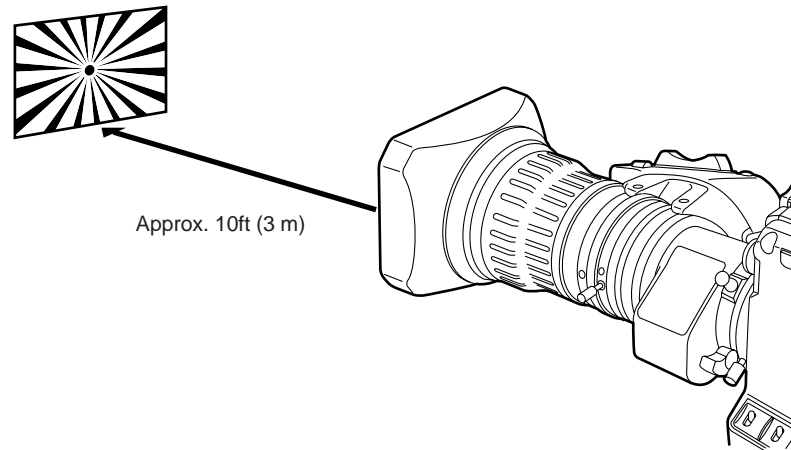
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When images are not clearly focused at both the telephoto and wide-angle positions during zoom operations, adjust the flange back (the distance from the lens mounting surface to the image formation surface).

Once adjusted, the flange back does not need to be readjusted as long as the lens is not changed.

## Adjustment method

Check the position of each part of the lens which must be operated in order to adjust the flange back with the lens Handling Instructions.



## Adjusting the Flange Back

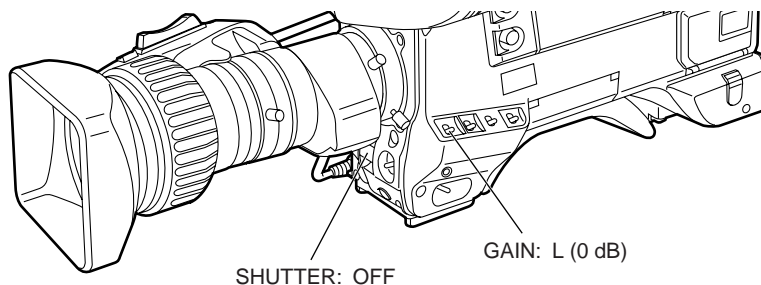
- 1** Set the lens iris to manual.
  - 2** Open the iris. Position the flange back adjustment chart about 10ft (3 m) from the lens and illuminate it so that an appropriate image output level is obtained.  
Use the filter and/or shutter if the video level is too high.
  - 3** Loosen the Ff ring clamping screw.
  - 4** Set the zoom ring to the telephoto position manually or by electric drive.
  - 5** Shoot the flange back adjustment chart and turn the distance ring to bring the chart into focus.
  - 6** Set the zoom ring to the wide-angle position.
  - 7** Turn the Ff ring to bring the chart into focus.  
At this time, take care not to move the distance ring.
  - 8** Repeat this operation four to seven times until the lens is in focus at both the telephoto and wide-angle positions.
  - 9** Firmly tighten the Ff ring clamping screw.
- Refer to the Operating Instructions of the lens.

# Adjusting the White Shading

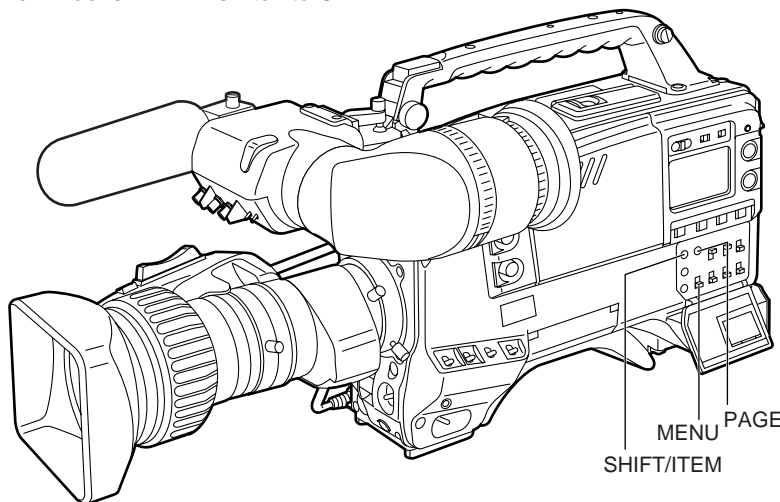
The white shading is adjusted at the factory to match the unit's standard lens. Follow the procedure outlined below when the white shading needs to be re-adjusted. In particular, make sure to re-adjust the white shading when using the following lenses: YJ18x9B4 KBS, YJ18x9B4 IBS.

## White shading adjustment procedure

- 1 Mount a lens to the camera.  
Be sure to also connect the lens cable.
- 2 Set the electronic shutter to OFF and the gain to L (0 dB).



- 3 If the lens has an extender, remove the extender.
- 4 Set the MENU SET/OFF switch from OFF to SET while holding down the SHIFT/ITEM and UP buttons to open the menu.  
Press the PAGE button until the MAIN menu screen 2 of 4 appears.  
Press the SHIFT/ITEM button to move the cursor to the VF DISPLAY position.  
Press the UP or DOWN button to open the VF DISPLAY page.  
Set ZEBRA1 DETECT to 70%, ZEBRA2 DETECT to 85% and ZEBRA2 to SPOT. (Initial setting mode)  
Return the MENU SET/OFF switch from SET to OFF to close the menu.  
Set the viewfinder's ZEBRA switch to ON.



### Note:

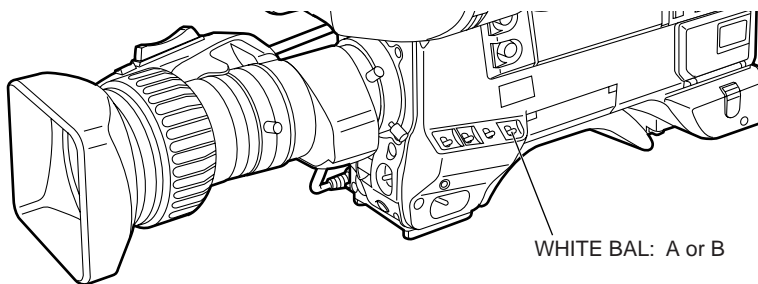
Adjusting the white shading incorrectly will seriously detract from the camera's picture quality. Before starting the re-adjustment procedure, carefully read the description of the white shading adjustment steps contained in the instruction manual. If any points are unclear, consult with the dealer from whom the unit was purchased for further clarification. Also, make sure to allow sufficient time when performing the white shading re-adjustment procedure.

- 5 Shoot an evenly white paper.  
Flickering occurs easily when fluorescent or mercury lamps, etc. are used for lighting. Therefore, use a light source which does not produce flickering such as sunlight or halogen lamps, etc.
- 6 Set the lens iris to manual and adjust the iris so that the ZEBRA pattern covers the entire screen. If the light strikes the subject in an uneven manner, the ZEBRA pattern will not cover a part of the screen. Therefore, adjust the position of the light source, etc. as necessary. Check that the lens iris is between F4 to F11. If the lens iris is not within this range, adjust the position of the light source, etc.  
(Be sure to set the electronic shutter to OFF.)



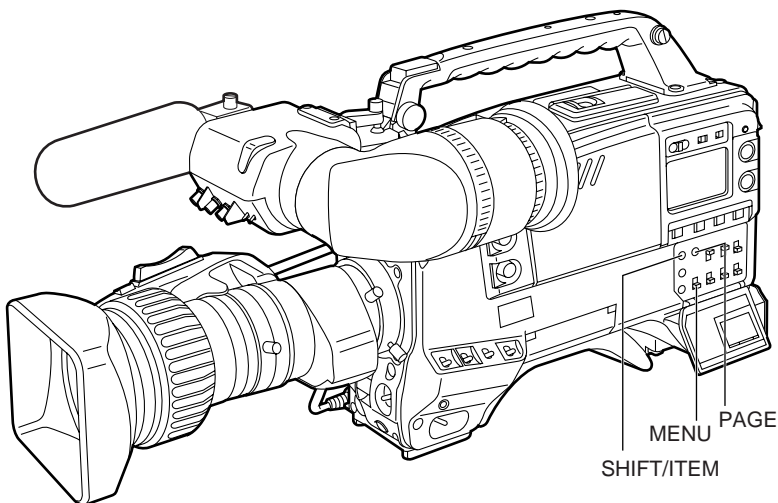
# Adjusting the White Shading

- 7** Set the WHITE BAL selector switch to A or B execute AWB. Next, execute ABB and then execute AWB again.



- 8** Repeat step 6.

- 9** Set the MENU switch from OFF to SET while holding down the SHIFT/ITEM and UP buttons to open the menu.  
Press the PAGE button until the MAIN menu screen 4 of 4 appears.  
Press the SHIFT/ITEM button to move the cursor to the AUTO SHADING position.  
Press the UP or DOWN button to open the AUTO SHADING page.  
Press the SHIFT/ITEM button to move the arrow at the far left to WHITE, and then press the UP or DOWN button.  
ACTIVE appears on the viewfinder to indicate that white shading automatic adjustment is operating.  
Adjustment is completed when the ACTIVE display disappears.  
Return the MENU switch from SET to OFF to close the menu.



- 10** When the lens to be used has an extender, insert an extender and repeat steps 6 to 9.
- 11** If the lens comes with a 16:9/4:3 mode switch function, repeat steps 6 to 9 for each of 19:9 and 4:3 modes.

This completes white shading adjustment.

The adjustment value is stored in the non-volatile memory, so there is no need to readjust the white shading even if the power for the unit is turned off.

## <Notes>

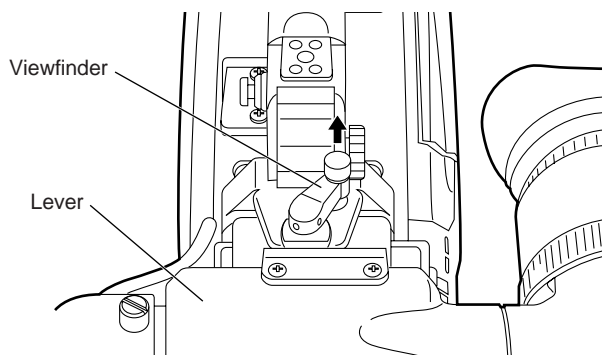
1. The white shading can be adjusted for general lenses using the above method. However, this method may not apply for extremely special lenses.
2. Vertical coloring may occur near the open position of the lens iris even after performing the above adjustments. However, this is characteristic of the optical system of the lens, and does not indicate a malfunction.
3. When the lens with the 16:9/4:3 mode switch function is being used in 4:3 mode, set the camera to 4:3 mode as well and adjust the white shading as the ambient amount of light will drop.

# Adjusting the Viewfinder

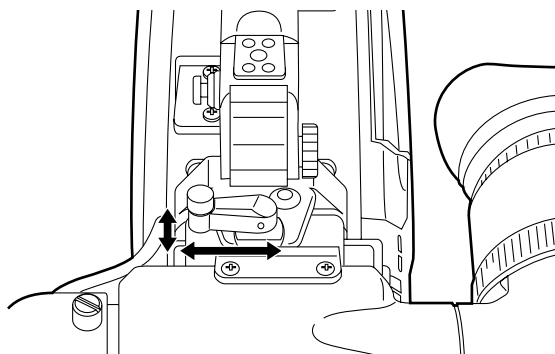
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## Adjusting the Position

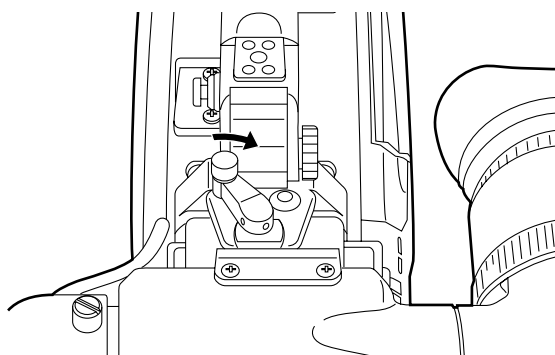
- 1 Lift up the viewfinder forward-backward/left/right position clamp lever to release the lock.



- 2 Adjust the position of the viewfinder in the forward-backward and left-right directions.



- 3 Tighten the viewfinder forward-backward/left-right position clamp lever to the locked position.

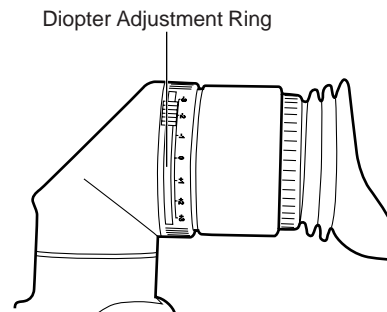


# Adjusting the Viewfinder (The viewfinder shown in the illustration is the optional AJ-VF10P.)

## Adjusting the Diopter and Screen

### Adjusting the diopter

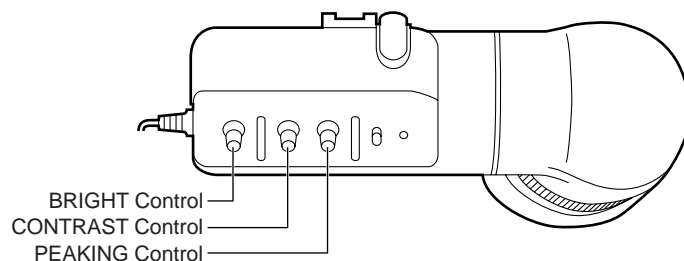
- 1 Set the POWER switch to ON. A picture will appear in the viewfinder.
- 2 Turn the diopter adjustment ring to adjust the diopter so that the viewfinder picture can be clearly seen.



### Adjusting the screen

Adjust the condition of the viewfinder screen.

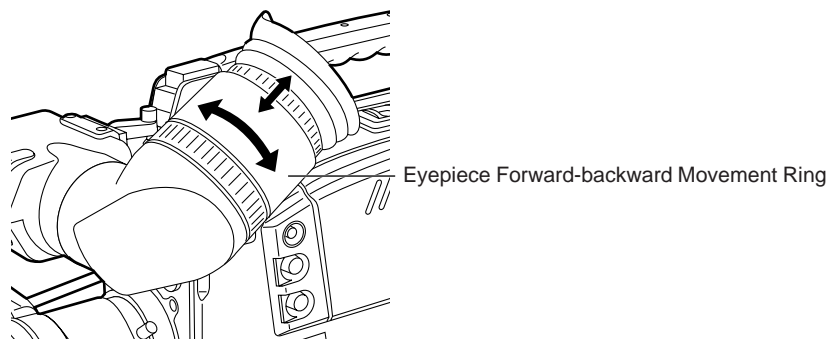
- Brightness:** Adjust the BRIGHT control  
**Contrast:** Adjust the CONTRAST control  
**Contour:** Adjust the PEAKING control



- 1 Set the POWER switch to ON.
- 2 Set the OUTPUT switch to CAM.
- 3 Turn the viewfinder BRIGHT and CONTRAST controls to adjust the picture brightness and contrast. Turning the PEAKING control makes the picture appear softer or sharper. A sharp picture facilitates focusing the lens.

## Adjusting the Eyepiece Position

Turn the eyepiece forward-backward movement ring to adjust the position of the eyepiece in the forward-backward direction.



# Adjusting the Viewfinder (The viewfinder shown in the illustration is the optional AJ-VF10P.)

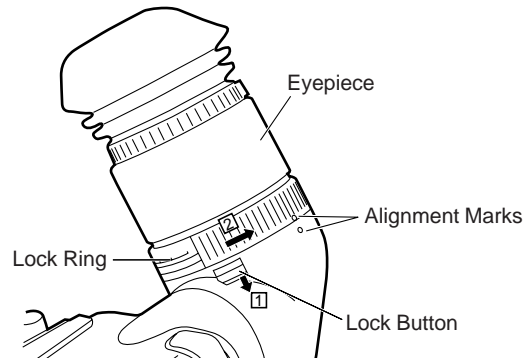
## Detaching the Eyepiece

Detaching the eyepiece allows the entire screen to be seen clearly even when shooting with your eye removed from the viewfinder. This also facilitates the removal of dust which has adhered to the CRT screen and mirror.

**<Note>**

Absolutely do not wipe the mirror surface as it has been specially treated. Dust which has adhered to the mirror should be blown away with a blower, etc.

- 1** Press the lock button.
- 2** Turn the lock ring as far as possible in the counter-clockwise direction and line up the alignment marks on the lock ring and viewfinder barrel.



- 3** Detach the eyepiece.



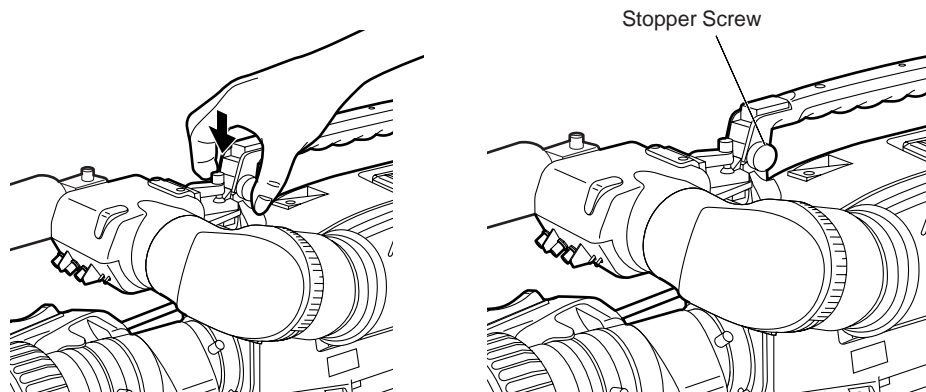
## Remounting the eyepiece

1. Line up the alignment marks on the lock ring and the viewfinder barrel, and then insert the eyepiece.
2. Turn the eyepiece as far as possible in the clockwise direction. The lock button latches with a clicking sound, and remounting is completed.

# Adjusting the Viewfinder (The viewfinder shown in the illustration is the optional AJ-VF10P.)

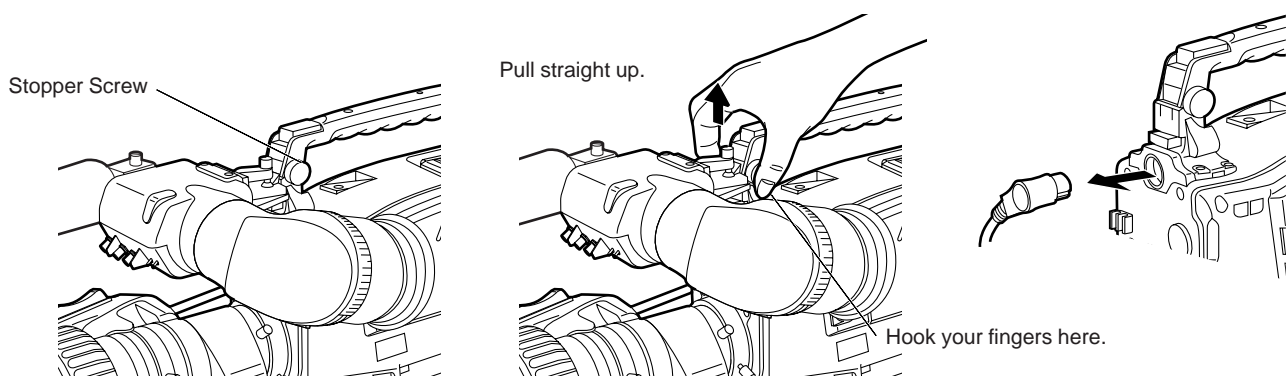
## Mounting the Viewfinder

- 1 Press down the viewfinder.
- 2 Tighten the viewfinder stopper screw firmly. If it is difficult to insert the screw, press down the viewfinder once again.
- 3 Connect the plug to the viewfinder connector and secure the viewfinder cable with the clamp.  
<Note>  
Insert the plug firmly when connecting it to the viewfinder connector.



## Detaching the Viewfinder

- 1 Check that the POWER switch is set to OFF.
- 2 Disconnect the plug from the viewfinder cable connector.  
<Note>  
Use both hands to detach the viewfinder. The viewfinder may not detach smoothly with one hand, resulting in damage to the viewfinder.
- 3 Loosen the viewfinder stopper screw and detach the viewfinder by pulling it straight up.



# Audio Input Preparations

(The viewfinder shown in the illustration is the optional AJ-VF10P.)

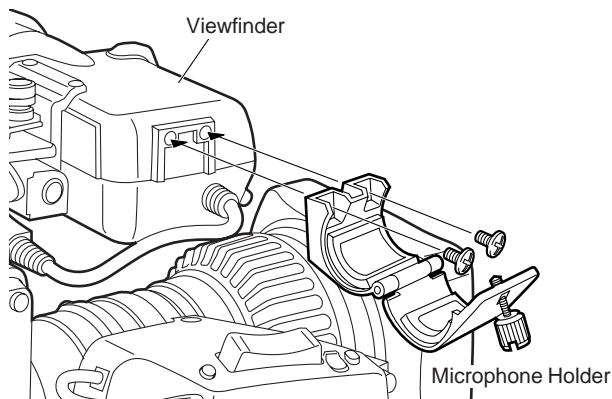
## Using the Microphone Mounted to the Main Unit

Using the accessory microphone (with holder), the AJ-MC700P microphone kit (option) microphone or the AJ-MH770P microphone holder (option) allows a microphone to be mounted to the main unit.

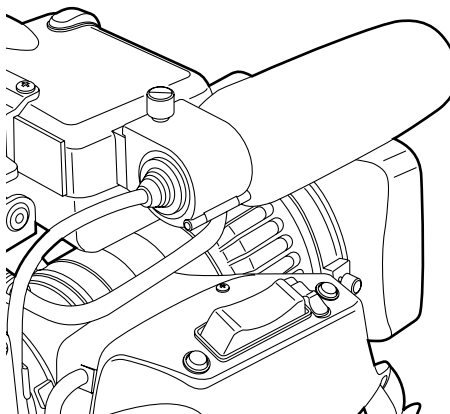
- See the Handling Instructions for the microphone holder.

## Using the Accessory Microphone (with Holder) or the AJ-MC700P Microphone Kit (Option) Microphone Mounted to the Main Unit

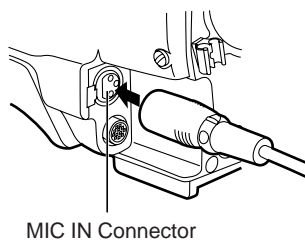
- 1 Mount the microphone holder.



- 2 Mount the microphone.



- 3 Connect the microphone connecting cable to the unit's MIC IN jack.

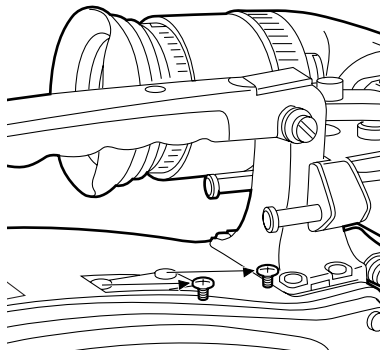


# Audio Input Preparations

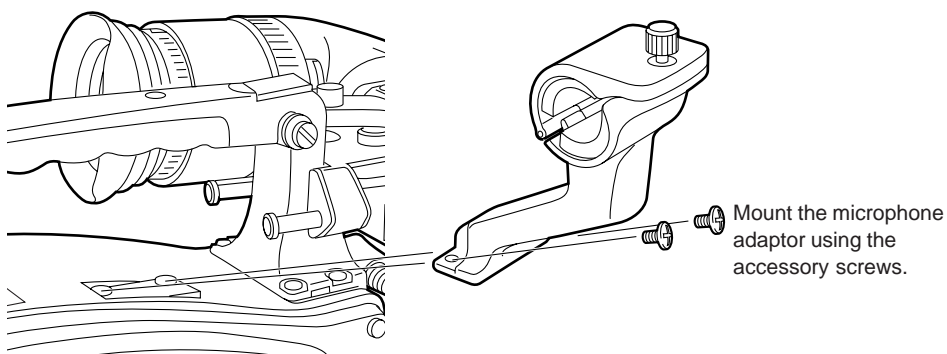
(The viewfinder shown in the illustration is the optional AJ-VF10P.)

## Mounting the AJ-MH700P Microphone Holder (Option)

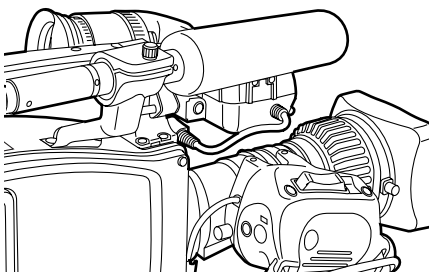
- 1 Remove the microphone holder mounting screws.



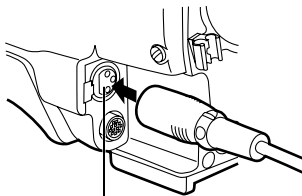
- 2 Mount the AJ-MH700P microphone adaptor (option) to the main unit.



- 3 Mount the microphone to the microphone holder and tighten the screws.



- 4 Connect the microphone connecting cable to the MIC IN jack.

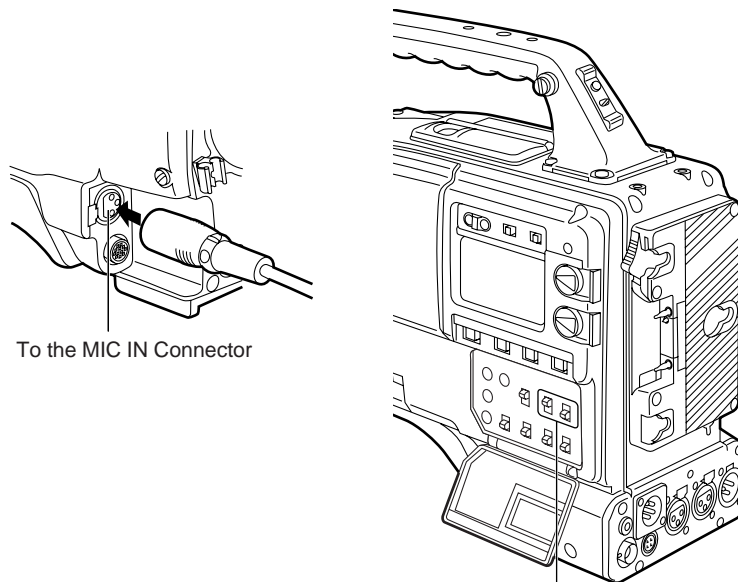


To the MIC IN Connector

- 5 Set the AUDIO IN switch to FRONT [MIC] in accordance with the audio channel to be recorded.

## Audio Input Preparations

### Using the Microphone not Mounted to the Main Unit



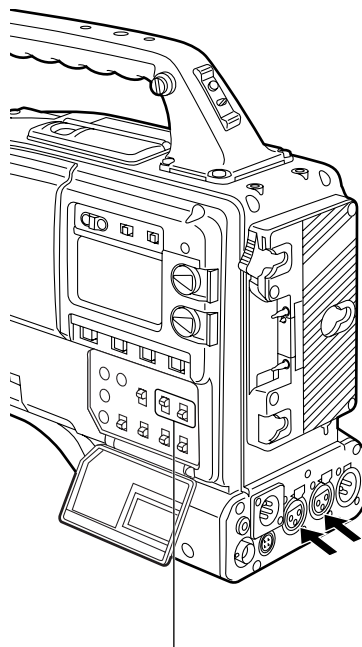
To the MIC IN Connector

**AUDIO IN switch:** Set the AUDIO IN switch for the audio channel you wish to record to FRONT [MIC].

#### <Note>

When extending the microphone, use a cable which supports the phantom power supply type of microphone.

### Using the Microphone not Mounted to the Main Unit



Up to two external microphones can be connected to the AUDIO IN CH1/CH2 Connectors. Phantom power supply can also be supported by setting the MIC POWER switch to the ON position.

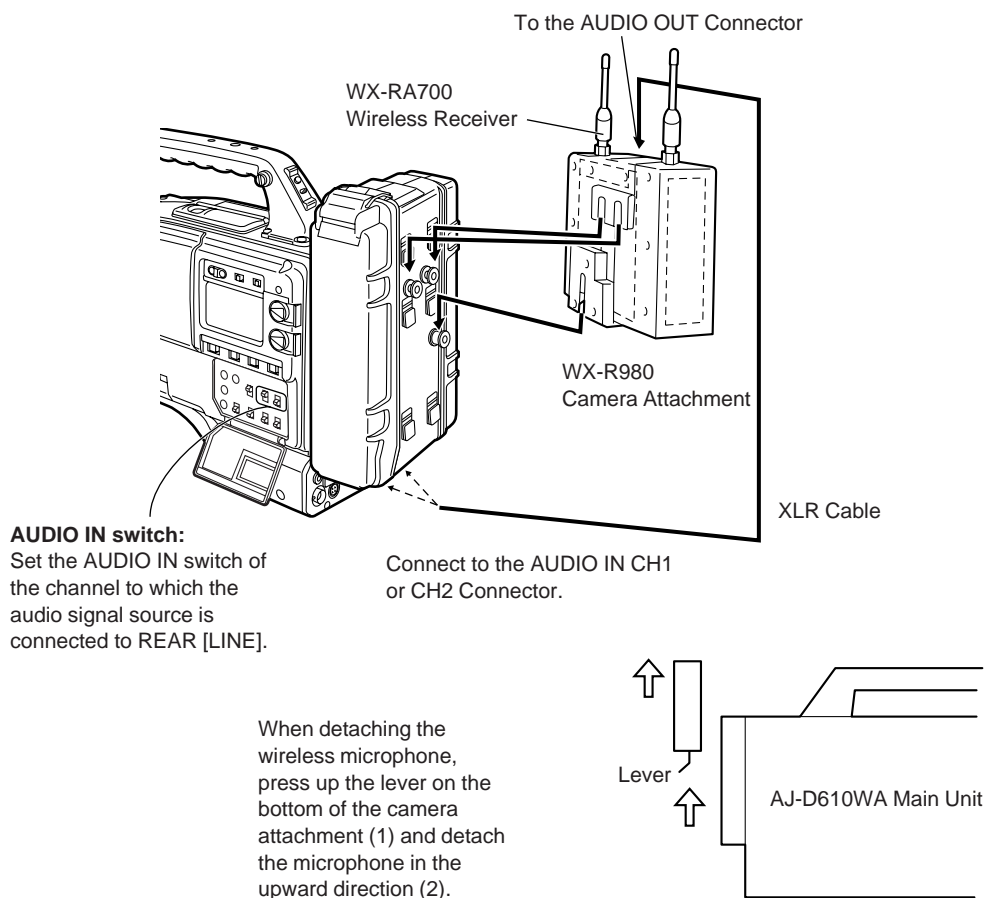
**AUDIO IN Switch:** Set the AUDIO IN Switches of the channels to which microphones are connected to REAR [MIC].



# Audio Input Preparations

## Mounting a Wireless Microphone

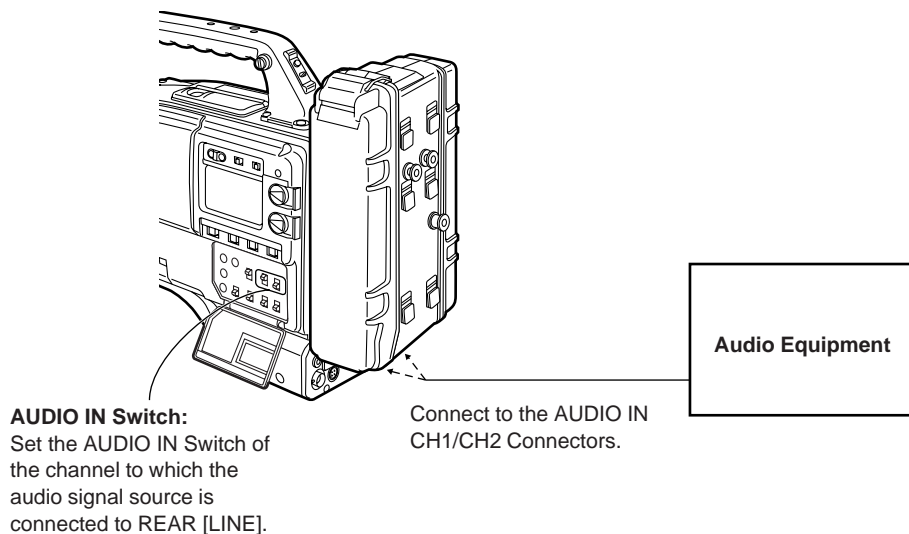
When using the Panasonic wireless microphone system, mount the WX-RA700 wireless receiver.



- See the Handling Instructions for the WX-RA700 wireless receiver for wireless receiver operations.

## Connecting an Audio Component

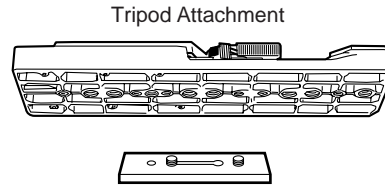
When using an audio component as the line input signal source, connect the audio component to the unit's AUDIO IN CH1/CH2 connectors.



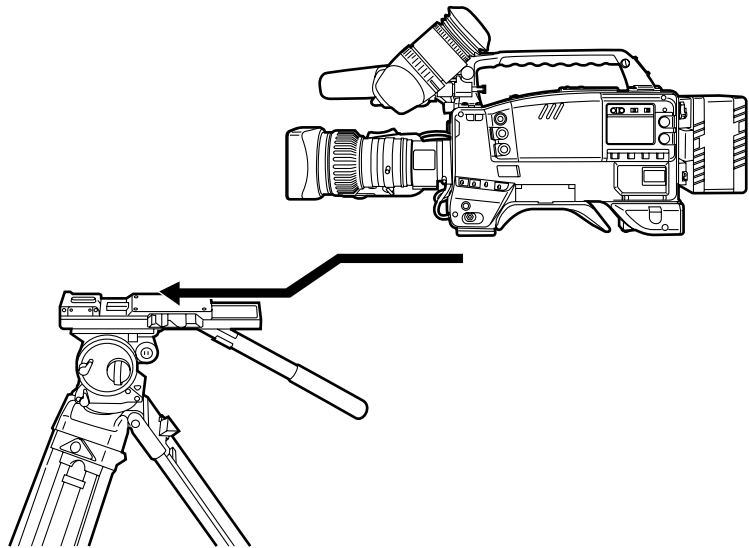
# Mounting the Unit to a Tripod

When mounting the unit to a tripod, use the accessory tripod attachment.

- 1 Mount the tripod attachment onto the tripod.  
Select the attachment hole in consideration of the unit's and tripod attachment's center of gravity. In addition, check that the diameter of the selected hole matches the diameter of the universal head's camera mounting screw.

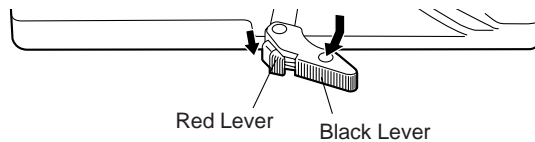


- 2 Mount the camera to the tripod attachment.  
Slide the unit forward along the grooves until a clicking sound is heard.



## When detaching the tripod attachment

Hold down the red lever and move the black lever in the direction of the arrow.



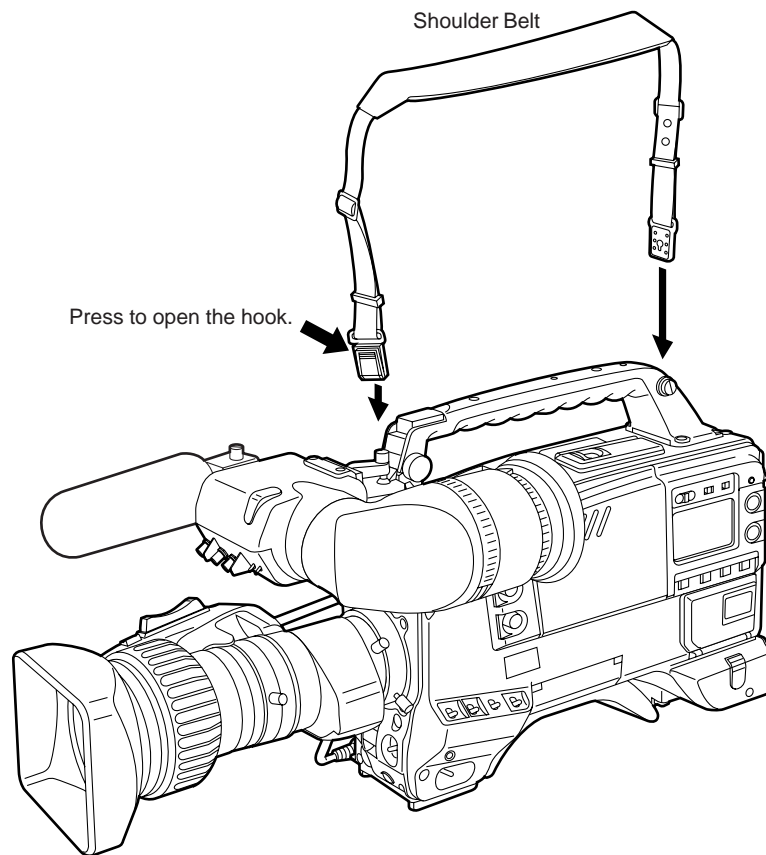
### <Note>

When the tripod attachment pin does not return to its original position after the camera has been detached, hold down the red lever and move the black lever in the direction of the arrow again to return the pin to its original position.

Care should be taken as the camera cannot be mounted if the pin remains in the center.

## Mounting the Shoulder Belt

---



To remove the shoulder belt, open the hooks and then remove the belt.



### <Note>

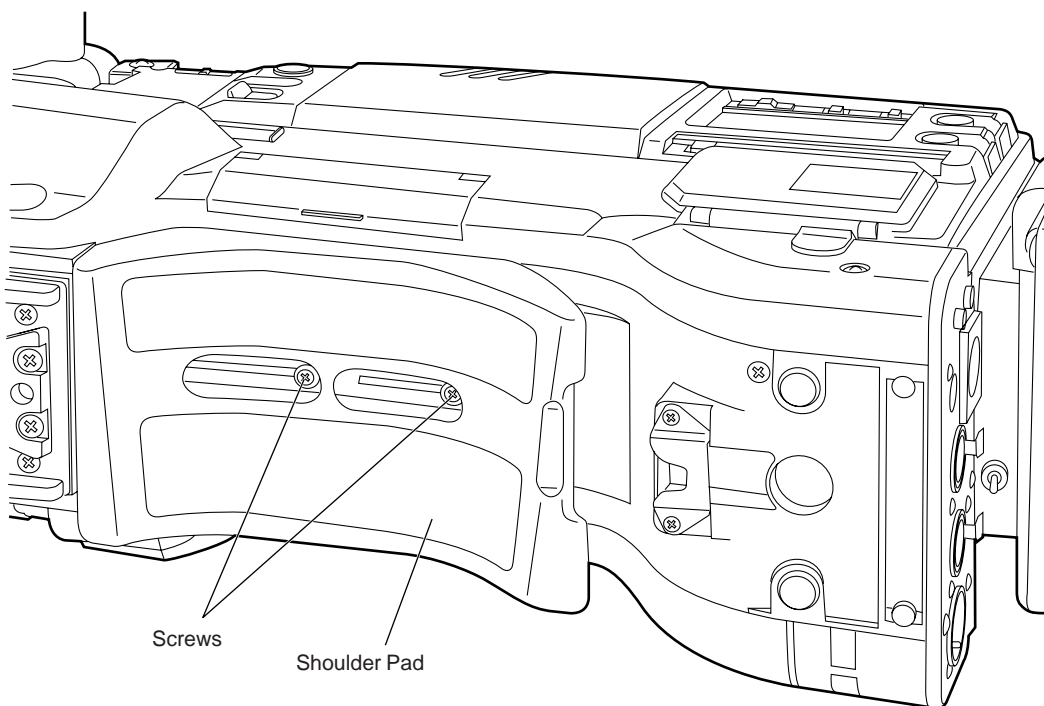
When mounting and removing the shoulder belt, press on the top of the hooks to check that the belt is securely mounted.

## Adjusting the Shoulder Pad Position

---

The shoulder pad can be slid up to  $\frac{2}{5}$ " in the forward-backward direction from the center position (the position when shipped from the factory). Adjust the shoulder pad position to facilitate operation of the unit.

- 1** Loosen the two screws.
- 2** Slide the pad in the forward-backward direction to select an appropriate position.
- 3** Tighten the screws to clamp the pad.

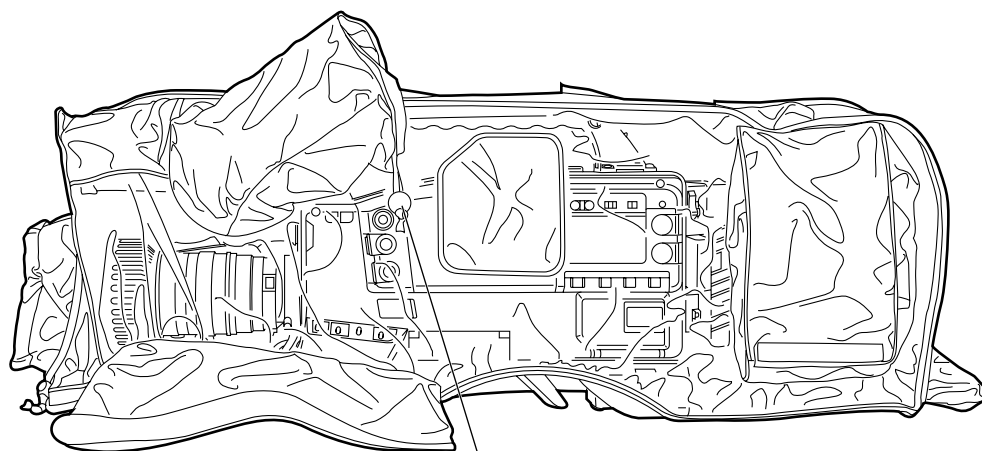


**Bottom**

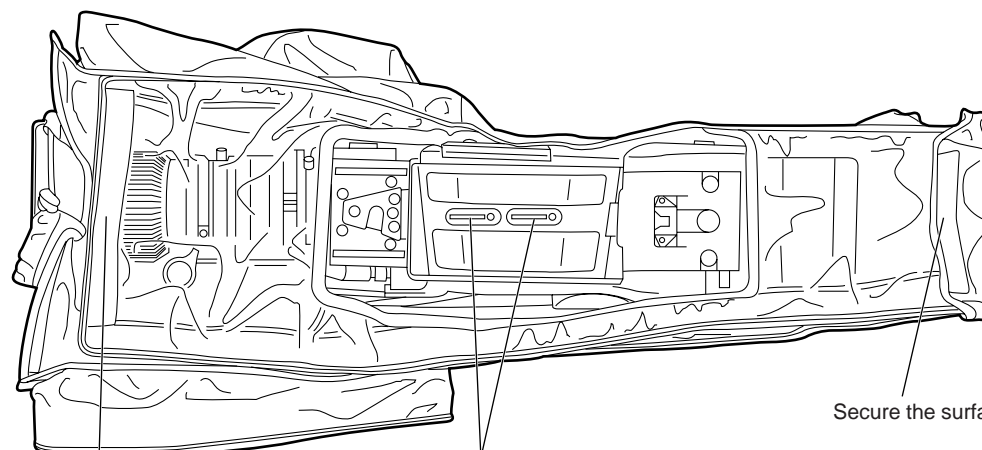
## Attaching the Rain Cover

---

Attach the rain cover as shown in the figure below.



Tighten the Cord.



Secure the surface fastener.

When mounting the unit to the tripod attachment, mount the unit using this hole.

Secure the surface fastener.

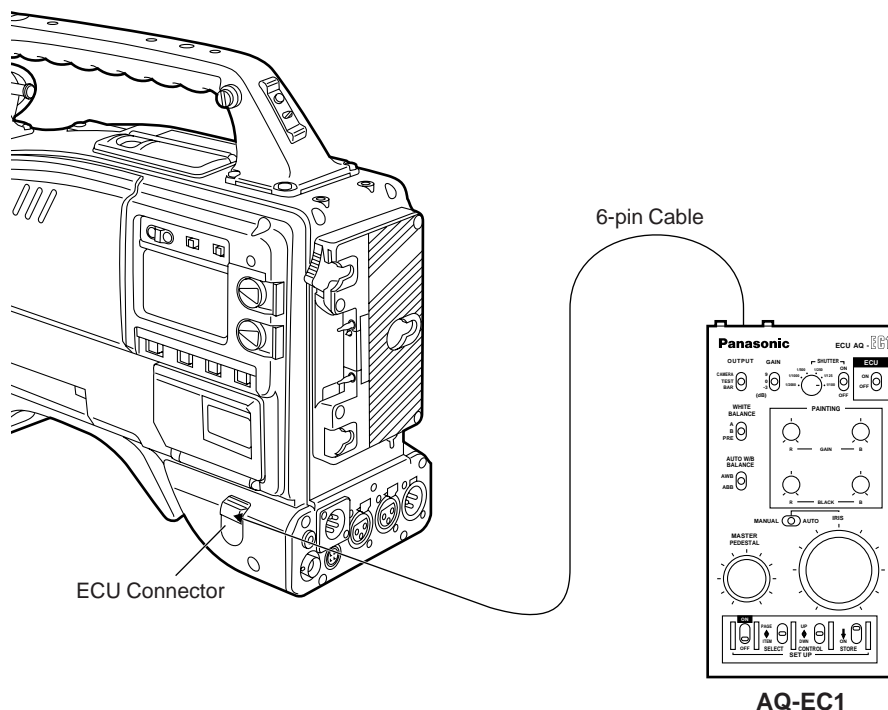
## Connecting the AQ-EC1 Extension Control Unit (Option)

Connecting the AQ-EC1 extension control unit (option) allows a portion of the camera section functions to be operated by remote control.

When the AQ-EC1 is connected and the POWER switches of the unit and AQ-EC1 are set to ON, the unit automatically enters remote control mode.

The handling instructions included with the AQ-EC1 describe operations for when the AQ-EC1 is connected to an AQ series digital camera.

When the AQ-EC1 is connected to the AJ-D610WA, some functions differ, and some features cannot be used.



### <Notes>

- The POWER switches of the unit and AQ-EC1 must be set to OFF before the 6-pin cable is connected or disconnected.

- When OFF has been set for ECU DATA SAVE on the SUB menu CAMERA SW MODE page of MAIN menu screen 2 of 4**

All adjustments and settings made using the switches and controls on the menu setting section of the AQ-EC1 are erased when the unit's POWER switch is set to OFF. Neither is it possible to save any of the adjustments and settings—except for the menu settings—performed using the AQ-EC1's switches and controls on the setup card. However, when the AQ-EC1 is connected again, these settings return to the AQ-EC1 settings.

(Menu contents set with the menu setting section are saved.)

- When ON has been set for ECU DATA SAVE on the SUB menu CAMERA SW MODE page of MAIN menu screen 2 of 4**

The adjustments and settings performed using the switches and controls on the AQ-EC1's menu setting area will not be lost even when the unit's POWER switch is set to the OFF position.

### <Note>

The functions of the AQ-EC1 are limited as follows.

- The STORE switch does not function.  
(If the menu settings are changed while the AQ-EC1 is connected to the AJ-D610WA, the new menu settings are saved automatically as soon as the changes are made.)
- Note that the AQ-EC1 gain switch displays -3, 0 and 9 correspond to L, M and H, and the OUTPUT switch settings CAMERA, TEST and BAR to CAM/AUTO KNEE ON, CAM/AUTO KNEE OFF and BAR for each main unit.
- The Synchro scan and Super V modes cannot be used while the AQ-EC1 is connected to the unit.
- The lens iris (IRIS) control of the AQ-EC1 is valid only when the lens iris AUTO/MANUAL selector is set to AUTO.

# Displaying Menus on the Viewfinder Screen

## Displaying the Setting Menu Inside the Viewfinder

The setting menus are displayed on the viewfinder screen when the MENU SET/OFF switch is set to the SET position.

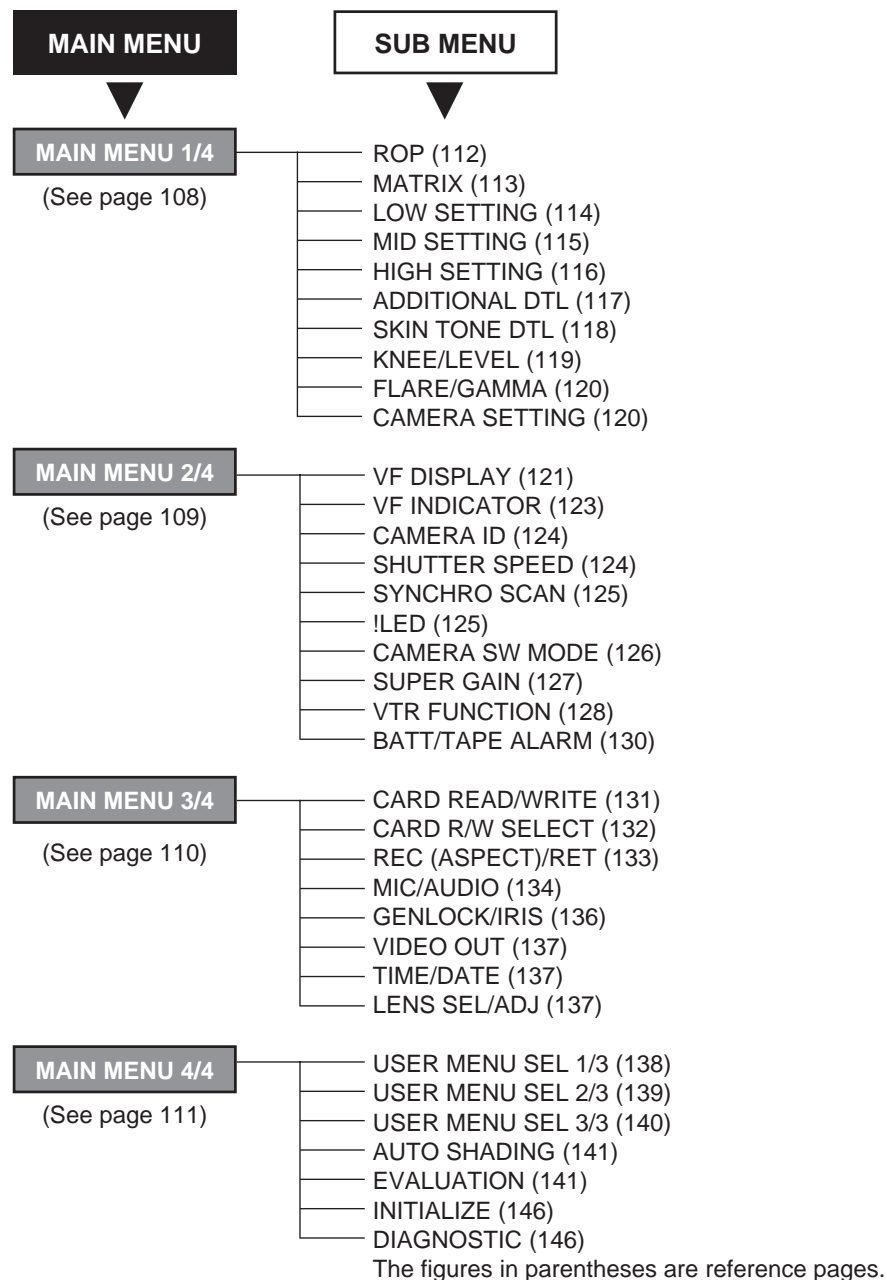
There are two types of setting menus, MAIN menus and SUB menus.

Setting menus are displayed in 1-page increments.

All the pages contained in the setting menus and how each page is configured are shown in the table below.

The menu configuration can be changed to suit a particular objective.

## Setting Menu Configuration



# Checking and Selecting the Master Gain Settings

---

## Checking and selecting the master gain setting

- 1** The menu shown in the figure below is displayed when the MENU SET ON/OFF switch is set to SET while the HOLD button is held down.
- 2** The current low, mid and high gain settings are displayed.
- 3** Press the SHIFT/ITEM button, and move the arrow (cursor) to the LOW, MID or HIGH GAIN menu item.
- 4** Set the gain by pressing the UP or DOWN button. Any value from  $-3$  dB to  $+30$  dB can be set.

```
→< MASTER GAIN >
  LOW GAIN      : 0dB
  MID GAIN      : 9dB
  HIGH GAIN     : 18dB

< BATTERY SELECT >
  BATTERY SEL  : NiCd12

< COLOR BAR SELECT >
  COLOR BAR    : SMPTE
```



# Selecting the Color Bar Setting

---

## Selecting the color bar setting

- 1** The menu shown in the figure below is displayed when the MENU SET ON/OFF switch is set to SET while the HOLD button is held down.
- 2** To select the color bar menu item, press the SHIFT/ITEM button, and move the arrow (cursor) to COLOR BAR.
- 3** Select the color bar setting by pressing the UP or DOWN button. The SMPTE or SNG setting can be selected.

```
< MASTER GAIN >
  LOW GAIN      : 0dB
  MID GAIN      : 9dB
  HIGH GAIN     : 18dB

< BATTERY SELECT >
  BATTERY SEL   : NiCd12

< COLOR BAR SELECT >
→COLOR BAR     : SMPTE
```

## Checking the DIAGNOSTIC Screen Setting

---

- 1** Set the MENU SET ON/OFF switch to SET while the HOLD button is held down.
- 2** Press the PAGE button.
- 3** The menu screen shown in the figure below appears, and it is now possible to check the DIAGNOSTIC screen settings.
- 4** To close the menu screen, return the MENU SET ON/OFF switch to OFF.

```
< DIAGNOSTIC >
OPERATION      : 00000 x10h
DRUM RUNNING   : 00000 x10h
THREADING      : 00000 x10

VTR SYSCON     Ver<P1.00>
CAM SYSCON     Ver<1.0>1.0
DATA ROM       Ver<1.0>
DV             Ver<1.00  >
               xx.xx.xx
```

# Displaying Menus on the Viewfinder Screen

## Changing the setting menu configuration

The setting menu can be configured by selecting only the pages necessary for the application. Pages are selected using the MENU SELECT page of the engineer menu mode.

When using the engineer menu, switch the unit to engineer mode as described below.

The unit is switched to user mode by setting the MENU SET/OFF switch to "SET".

The unit is switched to engineer mode by holding down the SHIFT/ITEM and UP buttons simultaneously and setting the MENU SET/OFF switch to SET.

The user and engineer modes differ as follows.

**User mode:** Only the selected pages the setting menu can be used. The data set on each page is written to the non-volatile memory, allowing it to be stored for extended periods of time.

**Engineer mode:** All pages contained in the setting menu can be used. In addition, the data set at each page is written to the non-volatile memory, allowing it to be stored for extended periods of time.

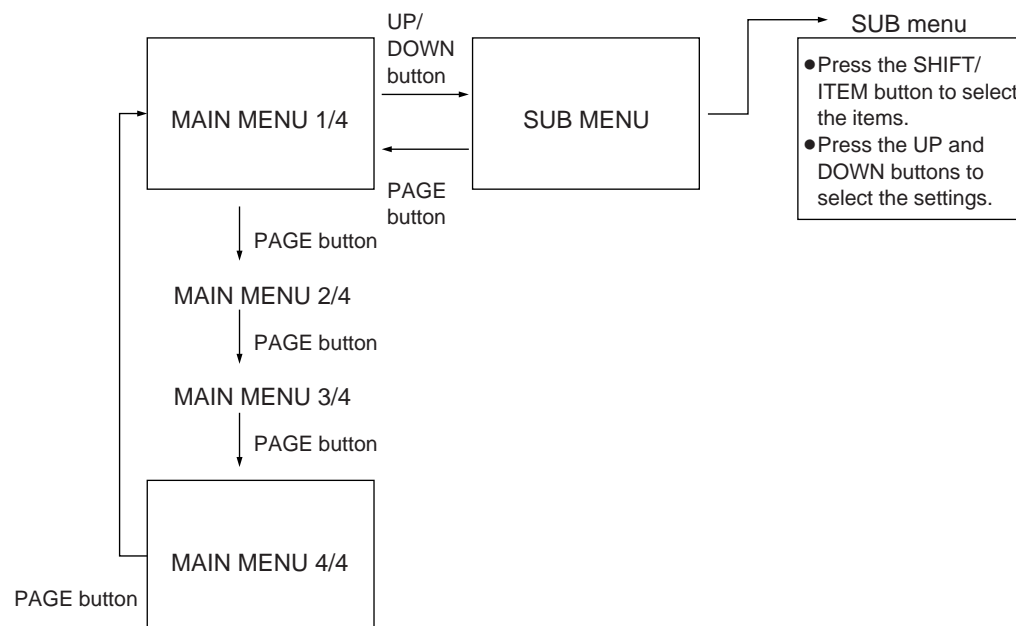
If, upon completion of the adjustments and settings in the engineer mode, the menu is set to be configured only with the frequently used pages, the pages which are often needed can be called promptly.

(Select the method using the user menu selection procedure described on pages 138 to 140.)

### <Note>

The engineer menu will always open if the AQ-EC1 extension control unit (optional accessory) is connected to the unit and the unit is operated from an external source.

## Transferring to the MAIN menus and SUB menus

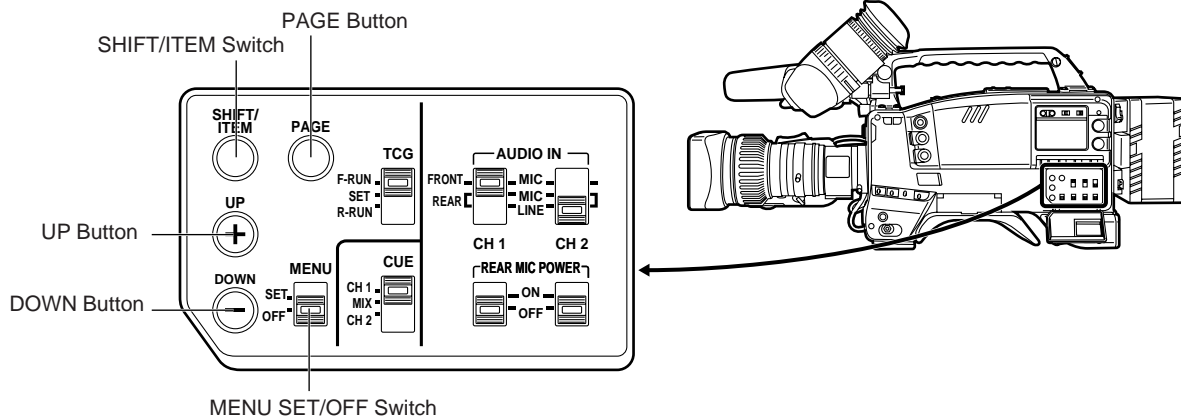


- To select a page in a SUB menu, first move to the MAIN menu and then select the desired SUB menu.
- Changes are made to the settings on the SUB menus.

# Displaying Menus on the Viewfinder Screen

## Basic Setting Menu Operations

The setting menu is operated using the MENU SET/OFF switch and the SHIFT/ITEM, UP, DOWN and PAGE buttons.



### To display a SUB menu directly (user mode)

- 1 Set the MENU SET/OFF switch to the SET position.  
The status displays at the top and bottom of the viewfinder screen are cleared, and the page on which the previous setting menu operation was completed now appears on the screen.  
When a menu is used for the first time, the page with the lowest number among the selected pages appears on the screen.

->< ROP >	
MASTER PED	: +000
MASTER DTL	: +00
MASTER GAMMA	: 0.45
R GAIN	: +000
B GAIN	: +000
R PEDESTAL	: +000
G PEDESTAL	: +000
B PEDESTAL	: +000

### To display a MAIN menu directly (engineer mode)

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.  
MAIN menu screen 1 of 4 now appears.

->***MAIN MENU1/4***	
ROP	
MATRIX	
LOW SETTING	
MID SETTING	
HIGH SETTING	
ADDITIONAL DTL	
SKIN TONE DTL	
KNEE/LEVEL	
FLARE/GAMMA	
CAMERA SETTING	

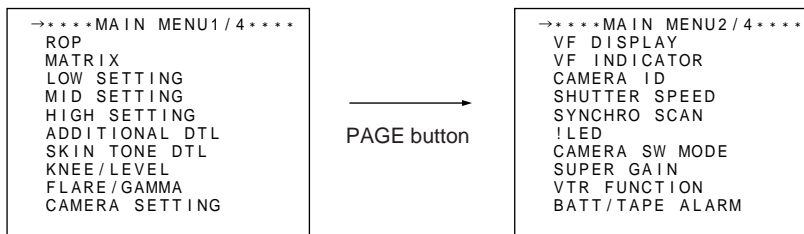
The pages can also be selected using the UP and DOWN buttons in combination with the PAGE button as indicated below.

- PAGE+UP:** When the UP button is pressed while the PAGE button is held down, operation advances to the next menu and the menu next to it and so on for as long as the button is held down.
- PAGE+DOWN:** When the DOWN button is pressed while the PAGE button is held down, operation is returned to the previous menu and the menu before it and so on for as long as the button is held down.

# Displaying Menus on the Viewfinder Screen

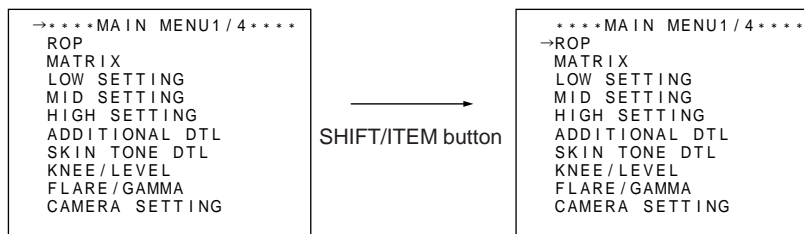
## To select a MAIN menu page

- 1 Press the PAGE button to select a particular MAIN menu.  
Each time the button is pressed, the MAIN menu screen is advanced by one page (1→2→3→4→1→, etc.).

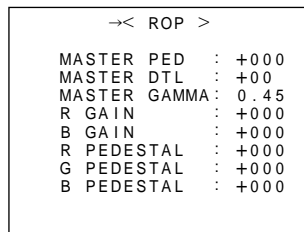


## To transfer from a MAIN menu to a particular SUB menu

- 1 Press the SHIFT/ITEM button.  
When this button is pressed, the cursor (arrow) indicating the selected item moves to the SUB menu.

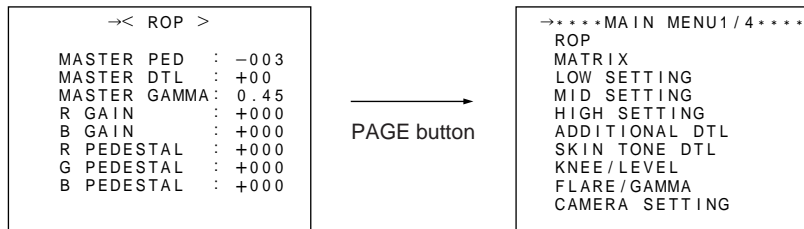


- 2 Press the UP or DOWN button.  
Operation is now switched to the selected SUB menu.



## To transfer from a SUB menu to the MAIN menu

- 1 Press the PAGE button.  
Operation moves to the MAIN menu.

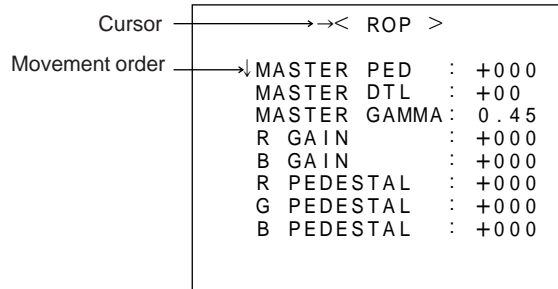


# Displaying Menus on the Viewfinder Screen

## Operations on SUB menus

### Selecting the desired item

- 1 Press the SHIFT/ITEM button.  
Each time this button is pressed, the cursor (arrow) which indicates the selected item moves to the next item.



The item can also be selected using the UP and DOWN buttons as follows.

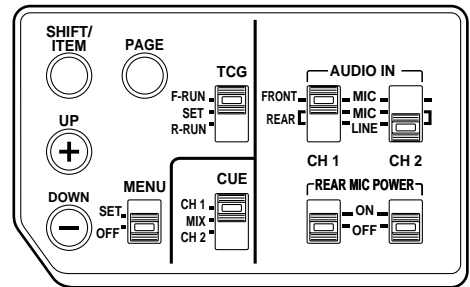
### Changing the settings

Press the UP button to increase the setting.

- The setting is incremented by 1 level each time the UP button is pressed.

Press the DOWN button to decrease the setting.

- The setting is decremented by 1 level each time the DOWN button is pressed.



### Changing the ON/OFF selection

The setting switches to ON or OFF each time the UP (or DOWN) button is pressed.

### Returning to the default settings

Align the arrow with READ FACTORY DATA on the "INITIALIZE" SUB menu page of the MAIN menu screen 4 of 4.

When the UP (or DOWN) button is now pressed, the initial (factory) settings will be restored.

However, care should be taken as the camera ID, GENLOCK, CARD R/W SELECT and TIME/DATE cannot be returned to the default settings.

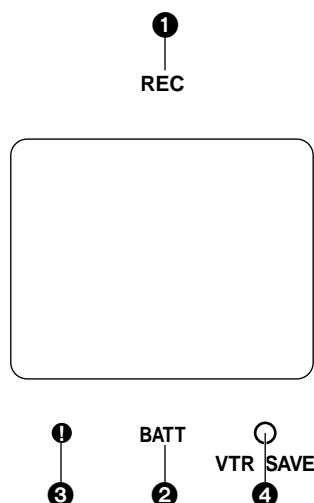
### Quitting the menu

Set the MENU SET/OFF switch to OFF.

- The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

# Lamp Displays Inside the Viewfinder

The viewfinder displays are as follows.



## 1. REC (recording) lamp

This lamp lights (red) during recording, and flashes when warnings are issued.

• See “Warning System” (page 147, 148) for a detailed description.

## 2. BATT (battery) lamp

When the battery voltage has dropped, this lamp begins flashing several minutes before the unit can no longer be operated, and lights when the unit can no longer be operated.

To prevent operation from being interrupted, exchange the battery quickly before the battery runs out.

• See “Warning System” (page 148) for a detailed description.

## 3. ! (irregular operation status warning) lamp

This lamp lights when the unit enters irregular operation status for any of the items set to ON at the ! LED page of the setting menu. Applicable items are as follows.

Setting item	Setting contents
Gain (0 dB)	The gain is set to a value other than 0 dB.
Gain (−3 dB)	The gain is set to a value other than −3 dB.
SHUTTER switch	The switch is set to ON.
WHITE PRESET switch	The switch is set to PRESET.
Lens extender	The lens extender is being used.
Filter control	The control is set to a value other than 1.
SUPER V switch	The switch is set to ON.

• See “Setting the ! Lamp Display” (next page) for selecting ! lamp display items.

## 4. VTR SAVE (VTR power saving) lamp

This lamp lights when the VTR SAVE/STBY switch is set to SAVE. It is not lighted during recording.

### <Note>

The SAVE status is automatically established and the lamp lights regardless of the VTR SAVE/STBY switch position at the time set by the pause timer (pause time) when the unit is in the recording pause mode or when 2 minutes have elapsed since the unit was placed in the playback pause mode.

# Lamp Displays Inside the Viewfinder

## Setting the ! Lamp display

The items subject to the ! lamp display are selected on the “! LED” SUB menu page on the MAIN menu screen 2 of 4. (Under the factory setting, the “! LED” page is not displayed.) To perform operations on the “! LED” page, either switch the unit to the engineer mode or select the “! LED” page on the USER MENU SEL page 2 of 3 on the MAIN menu screen 4 of 4.

•For details on selecting the engineer mode and display page, refer to Setting Menu Configuration (page 51).

- 1** Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2** Press the PAGE button to display the MAIN menu screen 2 of 4.
- 3** Repeatedly press the SHIFT/ITEM button to move the cursor to the “! LED” position.
- 4** Press the UP or DOWN button to open the ! LED page.

→< ! LED >	
GAIN (0 dB)	: ON
GAIN (−3 dB)	: OFF
SHUTTER	: ON
WHITE PRESET	: OFF
EXTENDER	: ON
FILTER	: OFF
SUPER V	: OFF

<b>GAIN (0 dB):</b>	This selects whether the ! lamp is to light when the gain is set to a value other than 0 dB.
<b>GAIN (−3 dB):</b>	This selects whether the ! lamp is to light when the gain is set to a value other than −3 dB.
<b>SHUTTER:</b>	This selects whether the ! lamp is to light when the SHUTTER switch is set to the ON position.
<b>WHITE PRESET:</b>	This selects whether the ! lamp is to light when the white balance memory channel is set to PRST.
<b>EXTENDER:</b>	This selects whether the ! lamp is to light when the lens is in the EXTENDER mode.
<b>FILTER:</b>	This selects whether the ! lamp is to light when the filter is set to a position other than 3200 K.
<b>SUPER V:</b>	This selects whether the ! lamp is to light when SUPER V is set to ON.

- 5** Repeatedly press the SHIFT/ITEM button to move the cursor to the position of the desired item.
- 6** Press the UP or DOWN button at the selected item to select whether the ! lamp is to be set ON or OFF.  
**To select ON:** Press the UP button.  
**To select OFF:** Press the DOWN button.  
To select ON or OFF for another item, repeat steps 5 and 6.
- 7** When the menu operations are completed, return the MENU SET/OFF switch to the OFF position.  
The setting menu is cleared from the viewfinder screen, and the unit's current statuses appear at the top and bottom of the viewfinder screen.



## Status Displays Inside the Viewfinder Screen

In addition to images, messages indicating the unit's settings and operating status appear on the viewfinder screen. The center marker and safety zone marker, etc. are also displayed.

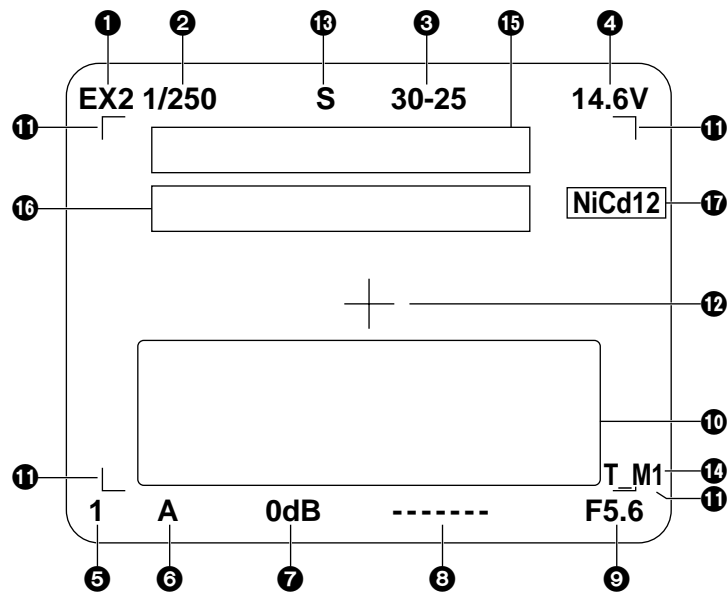
When the MENU SET/OFF switch is set to OFF, items set to SET at the VF DISPLAY page of the setting menu and using related switches appear at the top and bottom of the screen.

Messages informing of the setting contents or of the adjustment course or results can also be displayed for approximately 3 seconds when settings are changed, during the course of adjustments, or after adjustments have been completed.

- See “Selecting Display Items” (page 60) for selecting display items, “Display Mode and Setting Change Message” (page 61) for the setting change message, and “Setting the Marker Displays” (page 62) for the marker displays.

The display positions of all items which can be displayed are shown in the figure below.

- 1 Extender display
- 2 Shutter speed/mode display
- 3 Remaining tape length display
- 4 Remaining battery level display
- 5 Filter display
- 6 White balance memory display
- 7 Gain value display
- 8 Audio level display
- 9 Iris value display
- 10 Warning display
- 11 Safety zone marker
- 12 Center marker
- 13 Super iris ON or super black ON display
- 14 MARK1/MARK2/TAKE display
- 15 TCG (Time Code Generator) display
- 16 Master gain & super gain setting display
- 17 Battery setting display



### <Note>

When in SUPER V mode, “SUP.V” is displayed at shutter speed position 2 in the Viewfinder screen.

# Status Displays Inside the Viewfinder Screen

---

## 1 Extender display

This is displayed when the lens extender is being used.

## 2 Shutter speed/mode display

This displays the shutter speed or shutter mode setting.

**OFF (OFF is not displayed.):**

The shutter is not used.

**1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000:**

Shutter speeds (seconds) during standard mode.

**1/60.8–1/250 (SYNCHRO SCAN):**

Synchro scan mode is selected.

**SUPER V:**

High vertical resolution mode is selected.

## 3 Remaining tape length display

This indicates the remaining tape length (minutes) for the VTR during recording.

Remaining tape length display

Display	Remaining tape length
F–60	Full to 60 minutes
60–55	60 to 55 minutes
55–50	55 to 50 minutes
50–45	50 to 45 minutes
45–40	45 to 40 minutes
40–35	40 to 35 minutes
35–30	35 to 30 minutes
30–25	30 to 25 minutes
25–20	25 to 20 minutes
20–15	20 to 15 minutes
15–10	15 to 10 minutes
10–5	10 to 5 minutes
5–0	5 to 0 minutes

The “5–0” display flashes when there is less than 2 minutes of tape remaining.

## 4 Remaining battery level display

When an Anton Bauer Digital Magnum Series battery is used to supply power to the unit, the remaining battery level is displayed numerically (%).

<Note>

When a Digital Magnum series battery made by Anton Bauer is used to supply external power to the unit near the battery end, the remaining battery level display will show the external voltage, and the unit will be operated by the external power supply.

## 5 Filter display

This displays the type of filter selected.

## 6 White balance memory display

This displays the selected white balance automatic adjustment memory.

**A:** The WHITE BAL switch is set to A.

**B:** The WHITE BAL switch is set to B.

**P:** The WHITE BAL switch is set to PRST.

## 7 Gain value display

This displays the image amplifier gain setting (dB) set by the GAIN switch.

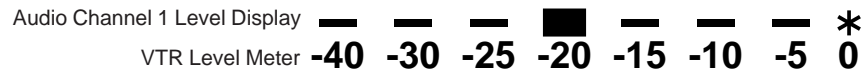
# Status Displays Inside the Viewfinder Screen

---

## 8 Audio level display

This displays the audio CH1 level.

During sine wave input, the audio level display corresponds roughly to the VTR level meter display as follows.



## 9 Iris value display

This displays the approximate iris setting (F number).

## 10 Warning display

This displays the black balance, white balance, auto knee function, super iris, super gain and other warning displays.

## 11 Safety zone marker

This indicates the safety zone to be the 80% or 90% (factory setting) range of the viewfinder screen area.

The ratio of this area to the total screen area is selected on the VF DISPLAY page of the setting menu.

•Refer to “Setting the Marker Displays” (page 62) for further details.

## 12 Center marker

This indicates the center of the viewfinder screen.

The marker appears when its display is set to ON on the VF DISPLAY page of the setting menu.

## 13 Super iris ON display

This indicates that the super iris is ON.

## 14 MARK1/MARK2/TAKE display

If the MARK switch is pressed while the Picture Link function is used, M1 or M2 appears to indicate the significance of the information concerned.

Nothing will appear if this function is not required.

Alternatively, T\_ (TAKE) appears when the RET switch of the lens is used as the TAKE function.

## 15 TCG display

This displays the time code generator value.

## 16 Master gain & super gain setting display

When the MODE CHECK button is pressed, the current GAIN L/M/H and SUPER GAIN settings are displayed.

## 17 Battery setting display

This indicates the type of the battery currently being used.

---

### 1) Iris value display

The iris value is displayed when using a lens with the iris value display function.

# Status Displays Inside the Viewfinder Screen

## Selecting Display Items

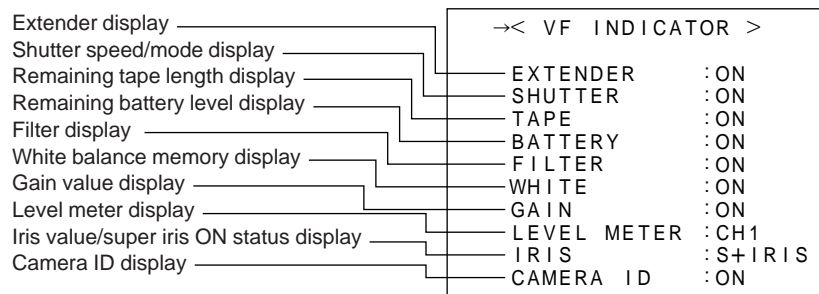
The items which are to be displayed on the viewfinder screen can be selected by setting ON or OFF for each item on the VF INDICATOR page. The items which can be selected are as follows.

- Extender display
- Shutter speed/mode display
- Remaining tape length display
- Remaining battery level display
- Filter display
- White balance memory display
- Gain value display
- Level meter display
- Iris value/super iris ON status display
- Camera ID display

•The camera ID is displayed when recording the color bar according to the OUTPUT/AUTO KNEE switch setting. See "Setting the Camera ID" (page 63) for a detailed description.

### Select the items to be displayed on the viewfinder screen.

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2 Press the PAGE button to display the MAIN menu screen 2 of 4.
- 3 Press the SHIFT/ITEM button to move the cursor to the "VF INDICATOR" position.
- 4 Press the UP or DOWN button to open the VF INDICATOR page.



- 5 Press the SHIFT/ITEM button to move the cursor to the position of the desired item.
- 6 Press the UP and DOWN buttons to choose whether to display (ON) or not display (OFF) the selected item on the viewfinder screen.  
The setting switches to ON or OFF each time the UP (or DOWN) button is pressed.  
Repeat steps 5 and 6 when setting display ON/OFF for other items.
- 7 When menu operations have been completed, set the MENU SET/OFF switch to OFF.  
The setting menu disappears from the viewfinder screen and the displays indicating the settings of the selected items appear.

# Status Displays Inside the Viewfinder Screen

## Display Mode and Setting Change Message

Messages informing of the contents of changed settings and adjustment results can be limited to part of the displayed items or not displayed for all items.

The conditions under which messages are displayed and the corresponding display modes are shown in the table below.

### Setting change/adjustment results messages and display modes

Conditions under which messages are displayed	Message	Display mode setting		
		1	2	3
When the filter selection is changed.	Filter: n (n=1, 2, 3, 4)	×	×	○
When the gain setting is changed.	GAIN: n dB (n=-3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36)	×	×	○
When the WHITE BAL switch setting is changed.	WHITE: n (n=ACH, BCH, PRESET)	×	×	○
When the OUTPUT/AUTO KNEE switch is set to AUTO KNEE or OFF*)	AUTO KNEE: ON (or OFF)	×	○	○
When the shutter speed/ mode setting is changed.	SS: 1/100 (or 1/120, 1/250, 1/500, 1/1000, 1/2000, S. SCAN, SUPER V)	×	○	○
When the white balance is adjusted (AWB)	Ex.) AWB: OK ●See “Adjusting the White Balance” (page 70) for a detailed description.	×	○	○
When the black balance is adjusted (ABB)	Ex.) ABB: OK ●See “Adjusting the Black Balance” (page 75) for a detailed description.	×	○	○

○: Message displayed

×: Message not displayed

\*) The message is displayed for approximately 3 seconds immediately after the power for the unit is turned on.

### <Note>

Whether a message is displayed or not also depends on the status of other menu settings.

For instance, even if the filter selection is set to “1”, the filter message will appear if FILTER is set to ON on the VF INDICATOR page.

# Status Displays Inside the Viewfinder Screen

## Changing the Display Mode

The display mode setting appears on the “VF DISPLAY” SUB menu page of MAIN menu screen 2 of 4.

- 1** Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2** Press the PAGE button to display the MAIN menu screen 2 of 4.
- 3** Press the SHIFT/ITEM button to move the cursor to the “VF DISPLAY” position.
- 4** Press the UP or DOWN button to open the VF DISPLAY page.

```
→< VF DISPLAY >
DISP CONDITION: NORMAL
DISP MODE      : 3
SAFETY ZONE    : 3
CENTER MARK    : ON
VF OUT         : Y
VF DTL         : 2
ZEBRA1 DETECT  : 070%
ZEBRA2 DETECT  : 085%
ZEBRA2         : SPOT
LOW LIGHT LVL  : 45%
```

- 5** Press the SHIFT/ITEM button to move the cursor to the “DISP MODE” position.
- 6** Press the UP (or DOWN) button to switch to the desired display mode.
- 7** When the menu operations are completed, set the MENU SET/OFF switch to the OFF position.  
The setting menu is cleared from the viewfinder screen, and the unit’s current statuses appear at the top and bottom of the viewfinder screen.

## Setting the Marker Displays

ON or OFF is selected for the center mark and safety zone mark display and a ratio of 80% or 90% of the total screen area is set for the safety zone range on the “VF DISPLAY” SUB menu page of MAIN menu screen 2 of 4.

- 1** Perform steps 1 to 4 under “Changing the Display Mode” described above so that the VF DISPLAY page appears on the viewfinder screen, and align the cursor with SAFETY ZONE or CENTER MARK.
- 2** Press the UP (or DOWN) button to switch to the desired display mode.
- 3** When the menu operations are completed, set the MENU SET/OFF switch to the OFF position.  
The setting menu is cleared from the viewfinder screen, and the unit’s current statuses appear at the top and bottom of the viewfinder screen.

# Status Displays Inside the Viewfinder Screen

---

## Setting the Camera ID

The camera ID can be set at the CAMERA ID page of the setting menu.

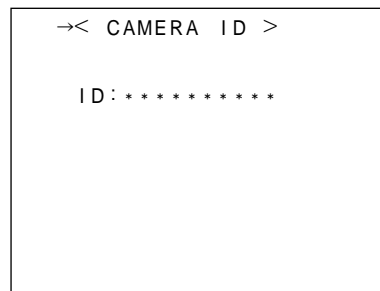
A camera ID of up to ten characters including English letters, symbols and spaces can be used. The camera ID is recorded when the OUTPUT/AUTO KNEE switch is set to BARS and the color bar signal is being recorded. It is also displayed on the viewfinder screen.

### <Note>

When the setting menu is displayed, the camera ID is not displayed even if the color bar signal is output.

## Setting the Camera ID

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2 Press the PAGE button to display the MAIN menu screen 2 of 4.
- 3 Press the SHIFT/ITEM button to move the cursor to the "CAMERA ID" position.
- 4 Press the UP or DOWN button to open the CAMERA ID page.



: The cursor is moved to the right (max. 10 spaces) by the SHIFT/ITEM button.

: Alphanumerics, symbols and spaces are selected by the UP and DOWN buttons.

- 5 Keep pressing the UP (or DOWN) button until the character to be set appears. Each time the UP button is pressed, the character display changes in the following order: space (□)→english letters (A to Z)→numbers (0 to 9)→symbols (space, >, <, ), (, ', ' , , , --, \_ , ~, /, !). Pressing the DOWN button changes the character display in the reverse order.
- 6 Press the SHIFT/ITEM button to move the cursor to the next position, and return to step 5 to set the characters.
- 7 When the menu operations are completed, set the MENU SET/OFF switch to the OFF position. The setting menu is cleared from the viewfinder screen, and the unit's current statuses appear at the top and bottom of the viewfinder screen.

### <Note>

When CAMERA ID on the VF INDICATOR page has been set to ON, the above camera ID setting will be recorded along with the color bars.

# Display

## Remaining Battery Level and Audio Level Displays

### Remaining tape length

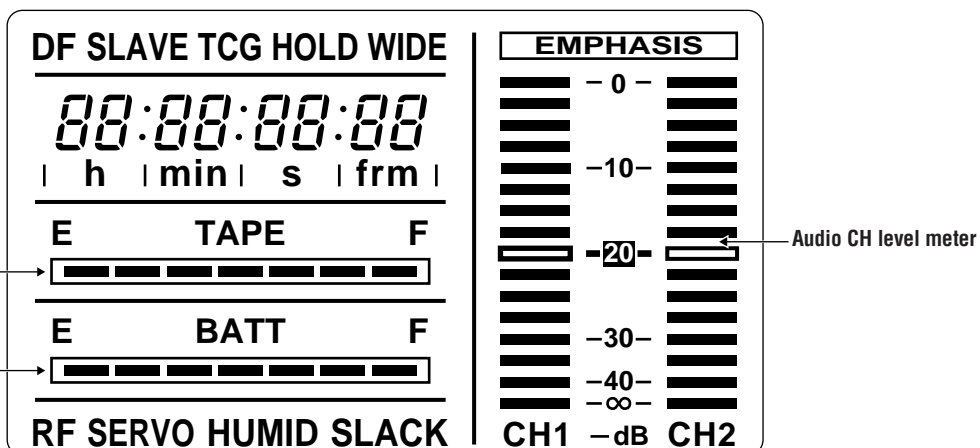
When the amount remaining on the tape is more than 21 minutes long, all seven segments up to the "F" position appear lighted.

When it is less than 21 minutes long, one segment will go off for every 3-minute reduction in the length.

### Remaining battery level

When the digital display (% display) battery is used, the 7 segments light up all the way to the "F" position if the remaining battery level is more than 70%.

If the remaining battery level is under 70%, one of the segments goes off for each further 10% reduction in the remaining level.



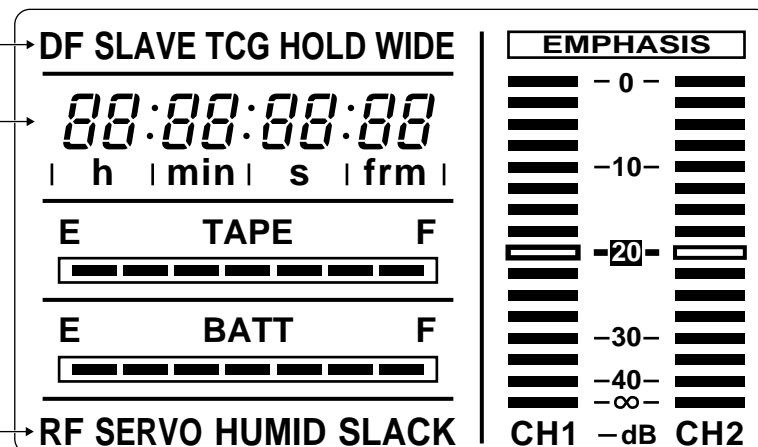
## VTR Section Operation/Status-Related Displays

### Lights

DF  
SLAVE  
TCG  
HOLD  
WIDE

### Error code:

Indicated in the display window.



### Warning display

**RF:** Lights when video head clogging occurs.

**SERVO:** Lights when the servo is out of order.

**HUMID:** Lights when condensation occurs on the head drum.

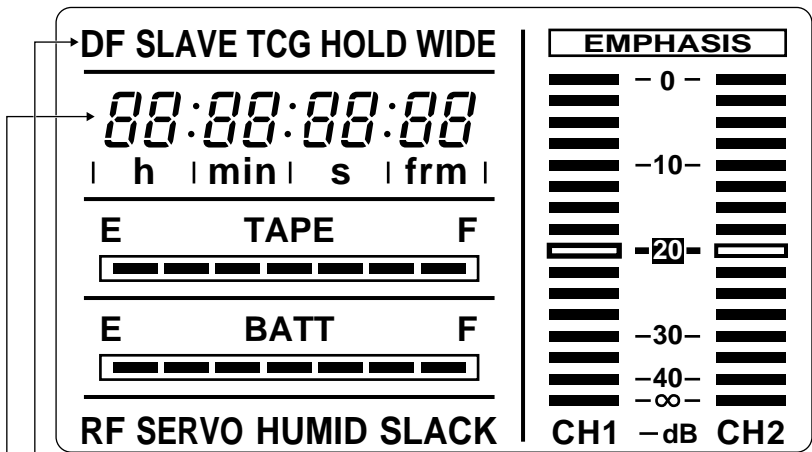
**SLACK:** Lights when tape wind-up trouble occurs.

•See "Warning System" (page 149) for a detailed description.



# Display

## Time Code-Related Displays



- These lamps light to indicate the time code, CTL and real time displays.
- DF:** This lamp lights during drop frame mode
- SLAVE:** This lamp lights when the time code is locked to an external source.
- HOLD:** This lamp lights when the time code generator is held (when the HOLD button is pressed).
- WIDE:** This lamp lights when a tape is recorded or played back with an aspect ratio of 16:9.
- Time counter display:** This displays the time code, CTL, user bit and real time.
- See below for the relationship between displayed items and switch settings.

### Relationship between the TCG and DISPLAY switch setting positions and the time counter display

The item displayed in the time counter display is determined by the TCG switch and DISPLAY switch settings.

#### Time code-related switch settings and display items

TCG switch position	DISPLAY switch position	Displayed item
SET	TC or CTL	Time code
	UB	User bit
F-RUN or R-RUN	CTL	CTL
	TC	Time code
	UB	User bit

# Adjusting the Time and Date

## Adjustment and setup using the setting menu

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2 Press the PAGE button to display the MAIN menu screen 3 of 4.
- 3 Press the SHIFT/ITEM button to move the cursor to the "TIME/DATE" position.
- 4 Press the UP or DOWN button to open the TIME/DATE page.

```
→< TIME / DATE >

YEAR   : 99
MONTH  : 01
DAY    : 01
HOUR   : 00
MINUTE : 00

■ TIME / DATE SET
```

- 5 Press the SHIFT/ITEM button to select the item to be changed.
- 6 Press the UP (or DOWN) button to change the setting value.  
The number is incremented by +1 each time the UP button is pressed and decremented by -1 each time the DOWN button is pressed.

```
< TIME / DATE >

YEAR   : 99
MONTH  : 01
DAY    : 01
HOUR   : 00
→MINUTE : 00

■ TIME / DATE SET
```

- 7 When the settings have been completed, press the SHIFT/ITEM button to select TIME/DATE SET and then press the UP (or DOWN) button. The time starts from when the button is pressed.

```
■ TIME / DATE SET
```

- 8 When menu operations have been completed, set the MENU SET/OFF switch to OFF.  
The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

### <Note>

The seconds cannot be set and always start from 0 seconds.

# Adjustments and Setup During Recording

---

## Adjustments and Setup Using the Setting Menu

Adjustments and setup operations during recording are performed at the setting menu. Setting menu operations are basically performed according to the procedures described on page 52.

However, these procedures vary slightly according to the item.

Items which can be adjusted or set up at the setting menu are as follows.

### Adjustment/setup items at the setting menu

Adjustment/setup item	Page name	Operation reference
Setting the gain selector value	SETTING (LOW/MID/HIGH)	Setting the Gain Selector Value, Setting the DTL and gamma, etc.
Selecting the shutter speed/ mode to be used	SHUTTER SPEED	Setting the Electronic Shutter
Setting the synchro scan mode shutter speed	SYNCHRO SCAN	Setting the Electronic Shutter
Selecting the required VTR functions	VTR FUNCTION	Selecting Functions
Shading adjustment	AUTO SHADING	Shading Adjustment
Setup card data operations	SET UP CARD	Setup Card Operations

# Adjustments and Setup During Recording

## Setting the Gain Selector Value

When shooting in locations without sufficient brightness, bright images can be obtained by raising the gain. However, care should be taken as raising the gain also increases the noise.

The gain value for the image amplifier is selected by the GAIN switch. The gain values corresponding to the L, M and H positions of the GAIN switch are set at the MASTER GAIN page of the setting menu.

### Setting the gain selector value

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2 Press the PAGE button to display the MAIN menu screen 1 of 4.
- 3 Press the SHIFT/ITEM button to move the cursor to the position of the setting page on which the gain is to be set.
- 4 Press the UP or DOWN button to open the setting page.

->< LOW SETTING >	
■MASTER GAIN	: 0dB
H.DTL LEVEL	: 10
V.DTL LEVEL	: 10
DTL CORING	: 03
H.DTL FREQ.	: 03
DARK DTL	: 00
LEVEL DEPEND.	: 00
MASTER GAMMA	: 0.45
■BLACK STRETCH	: OFF
■MATRIX TABLE	: A

- 5 Press the SHIFT/ITEM button to move the cursor to the "MASTER GAIN" position.
- 6 Press the UP or DOWN button to set the gain value.  
Any gain value can be set regardless of whether it is high or low from among the -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 and 30 dB setting options.  
  
To reset the gain values to their factory settings (LOW=0dB, MID=9dB, HIGH=18dB), select READ FACTORY DATA on the "INITIALIZE" SUB menu page on MAIN menu screen 4 of 4, and press the UP or DOWN button.
- 7 When the menu operations are completed, set the MENU SET/OFF switch to the OFF position.  
The setting menu is cleared from the viewfinder screen, and the unit's current statuses appear at the top and bottom of the viewfinder screen.

# Adjustments and Setup During Recording

---

## Selecting Functions

The VTR's operation functions can be selected on the "VTR FUNCTION" page of the setting menu.

### To select the required functions

- 1** Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2** Press the PAGE button to display the MAIN menu screen 2 of 4.
- 3** Press the SHIFT/ITEM button to move the cursor to the "VTR FUNCTION" position.
- 4** Press the UP or DOWN button to open the VTR FUNCTION page.

->< VTR FUNCTION >

HUMID OPE	:OFF
26P CONTROL	:OFF
REC START	:NORMAL
TC MODE	:DF
UB MODE	:USER
PAUSE TIMER	:30
BATTERY SEL	:NiCd12
TCG VF DISP	:OFF
TCG SET HOLD	:OFF
FIRST REC TC	:REGEN

- 5** Press the SHIFT/ITEM button to move the cursor to the position of the function to be changed.
- 6** Press the UP (or DOWN) button to change the setting of the selected function.  
If settings for other functions are also to be changed, return to step 5.
- 7** When menu operations have been completed, set the MENU SET/OFF switch to OFF.  
The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

# Adjusting the White Balance/Black Balance

## Adjusting the White Balance

Adjusting the white balance and black balance in the order of AWB (white balance adjustment)→ABB (black balance adjustment)→AWB will provide a better picture.

The black balance does not normally need to be readjusted even when the power is turned off and then turned back on.

However, the white balance must be readjusted when the lighting conditions change.

If black balance and white balance adjustments are started when the display mode is set to “2” or “3”, messages informing of the adjustment course and results will appear on the viewfinder screen. Set the display mode to “1” to not display these messages.

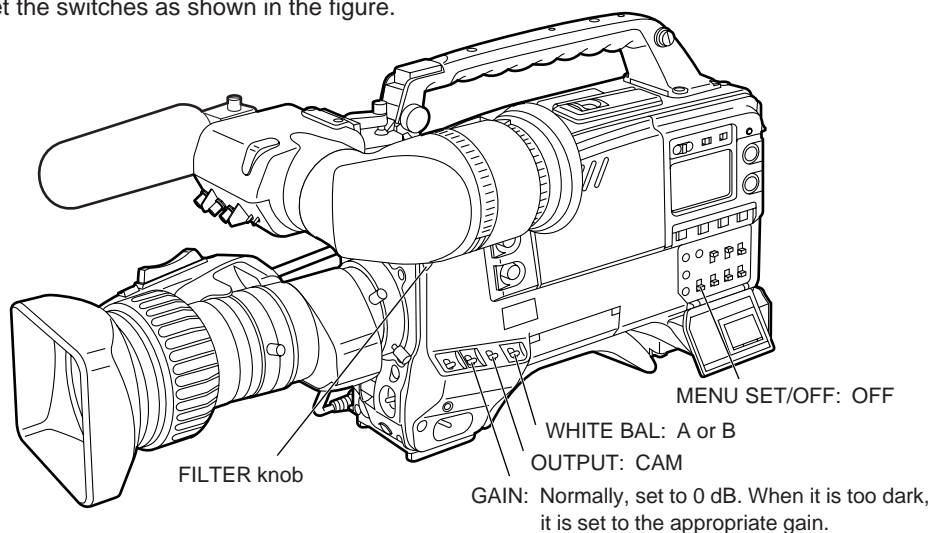
• See “Display Mode and Setting Change Message” (page 61) for a description of setting the display mode.

### <Notes>


- The white balance and black balance cannot be adjusted while the setting menu appears on the viewfinder screen. Therefore, be sure to set the MENU SET/OFF switch to OFF.
- The auto black balance (ABB) must be readjusted without fail when the MASTER GAIN value has been changed on the “LOW SETTING”, “MID SETTING” or “HIGH SETTING” SUB menu pages of MAIN menu screen 1 of 4, when the super gain setting has been changed using the SUPER GAIN button, and when the GAMMA setting (ON/OFF) on the “CAMERA SETTING” SUB menu page of MAIN menu screen 1 or 4 has been switched.
- With artificial lights, particularly with fluorescent lights and mercury-arc lamps, the strength of the R, G and B colors changes in synchronization with the power line frequency even if the brightness of these lights appears to be constant. Especially in areas where the power line frequency is 50 Hz, the vertical synchronizing frequency (approx. 60 Hz) of the NTSC and the frequency (50 Hz) of the lighting tend to interact. This gives rise to flicker and to a phenomenon where the hue changes along with the passage of time, and it is impossible to obtain the proper white balance.

These phenomena can be reduced by setting the shutter speed to 1/100. For this reason, wherever the unit is used under fluorescent or mercury-arc lamps and at a frequency of 50 Hz, the shutter speed must be set to 1/100 and the white balance obtained. This shutter speed of 1/100 should also be used during shooting.

- 1 Set the switches as shown in the figure.

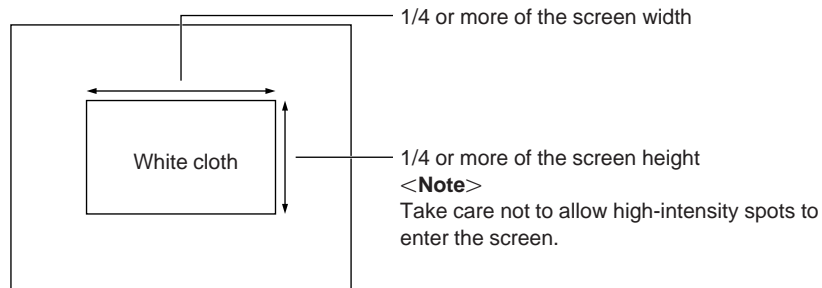


When the positions of the GAIN and WHITE BAL switches are changed, a message informing the operator of the new settings will appear on the setting change message display area of the viewfinder screen. (However, this display appears only when the display mode is set to “3”.)

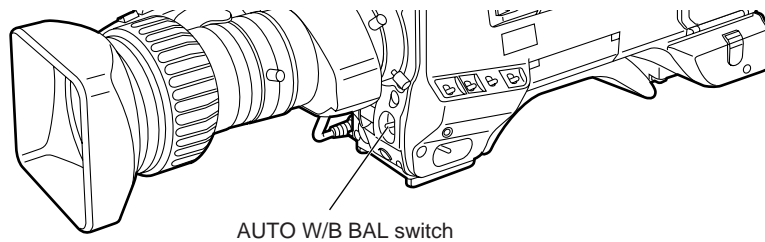
- 2 Select the FILTER knob setting in accordance with the lighting conditions.
  - Refer to the description of the  FILTER knob (page 15) in the Shooting and Recording/Playback Function Section for examples of the FILTER knob settings. If the FILTER knob setting is changed, a message informing the operator of the new setting will appear on the setting change message display area of the viewfinder screen. (However, this display appears only when the display mode is set to “3”.)

## Adjusting the White Balance/Black Balance

- 3** Place the white pattern over a location with the same conditions as the light source illuminating the subject and zoom up to project white on the screen.  
A white object (white cloth, white wall) near the subject can also be used. The white area required is as shown below.



- 4** Adjust the iris of the lens.
- 5** Press the AUTO W/B BAL switch to the WHT side and release the switch.  
The switch returns to the center and the white balance is automatically adjusted.

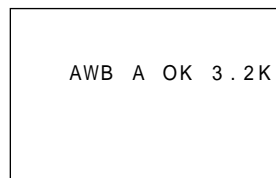


- 6** During the adjustment, the following message appears on the viewfinder screen.  
(However, the message appears only when the display mode is set to "2" or "3".)



Message during adjustment

- 7** The adjustment is completed in several seconds (and a message such as the one shown in the figure appears).  
The adjustment value is automatically stored in the memory (A or B) which was selected in step 1.

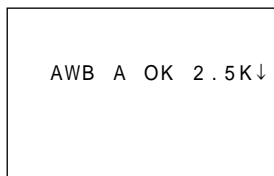


Message after adjustment is completed

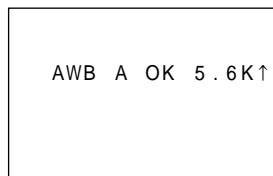
## Adjusting the White Balance/Black Balance

---

- 8** The messages shown in the figures below will be displayed if the color temperature of the subject is lower than 2500K or higher than 5600K.  
The down [ ↓ ] arrow indicates a color temperature which is lower than the one displayed; conversely, the up [ ↑ ] arrow indicates a color temperature which is higher than the one displayed.



Message displayed when  
color temperature is lower  
than 2500K



Message displayed when  
color temperature is higher  
than 5600K

**<Note>**

If a lens equipped with the automatic iris function is used, the iris may experience hunting<sup>1)</sup>. In these cases, adjust the iris gain knob (the knob marked IG, IS, S, etc.) on the lens.

- See the Handling Instructions for the lens for a detailed description.

---

**1) Hunting:** The auto iris responds repeatedly causing the image to become darker and brighter.



# Adjusting the White Balance/Black Balance

## When the White Balance Cannot be Automatically Adjusted

An error message will appear on the viewfinder screen.

(The message appears when the display mode is set to “2” or “3”.)

The displayed messages are as follows.

### Error messages related to white balance adjustment

Error message	Meaning	Treatment
COLOR TEMP. HIGH	The color temperature is too high.	Select an appropriate filter
COLOR TEMP. LOW	The color temperature is too low.	Select an appropriate filter.
LOW LIGHT	There is insufficient illumination.	Increase the illumination or gain.
LEVEL OVER	There is too much illumination.	Decrease the illumination or gain.
UNSTABLE CONDITION	The shooting conditions are unstable (shooting is taking place under fluorescent lighting or the camera is not being held or pointed properly, etc.).	If flickering is a problem, turn the SHUTTER switch to ON and stabilize the shooting conditions.

If the above error messages appear, carry out the respective treatment attempt to adjust the white balance again.

If the error message continues to appear even after repeated attempts, consult your dealer.

#### <Notes>

- The white balance will not be adjusted while the setting menu is displayed on the viewfinder screen.

The MENU SET/OFF switch must be set to the OFF position to make this adjustment.

- In rare instances the white balance adjustment may not be possible and an NG display will appear.

In a case like this, proceed with the white balance adjustment again.

## When there is no Time to Adjust the White Balance

Set the WHITE BAL switch to PRST.

The white balance for the filter is automatically adjusted according to the setting position of the FILTER knob (outside).

### White balance memories

The white balance memories fall into two categories, A and B.

The number of A and B memories is limited to 1 each when FILTER INH is set to ON (default setting) on the “CAMERA SW MODE” SUB menu page of MAIN menu screen 2 of 4.

In this case, the contents of the memories are not linked to the filter.

However, when FILTER INH is set to OFF, the adjustments values for each filter can be automatically stored in the memory corresponding to the WHITE BAL switch setting (A or B).

The unit contains 4 filters, making a total of 8 (4×2) adjustment values which can be stored.

# Adjusting the White Balance/Black Balance

---

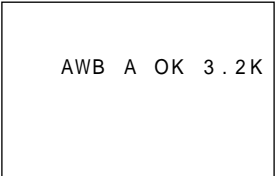
## When the ON setting has been selected for FILTER INH

When the automatic white balance is adjusted, the color temperature and filter number at the time are displayed.

When the filter is now turned, the new color temperature and filter number are displayed.

The white balance is almost perfectly adjusted if the subject is illuminated by a light with a color temperature close to the one displayed.

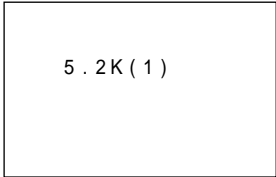
(Display example)



Use filter (1) to adjust the AWB for objects with an illumination color temperature of 3200K.



Change to filter (3).



"5.2K (1)" (see Note) appears on the display.

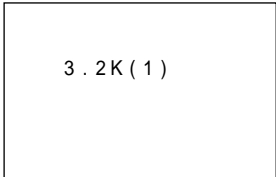
**Note:**

This display indicates that the AWB was adjusted using filter (1).

If the color temperature of the subject in this state is close to 5.2K, the white balance is adjusted, and so operation is now possible.



Return to filter (1).



"3.2K (1)" appears on the display denoting the status when the AWB was first adjusted.

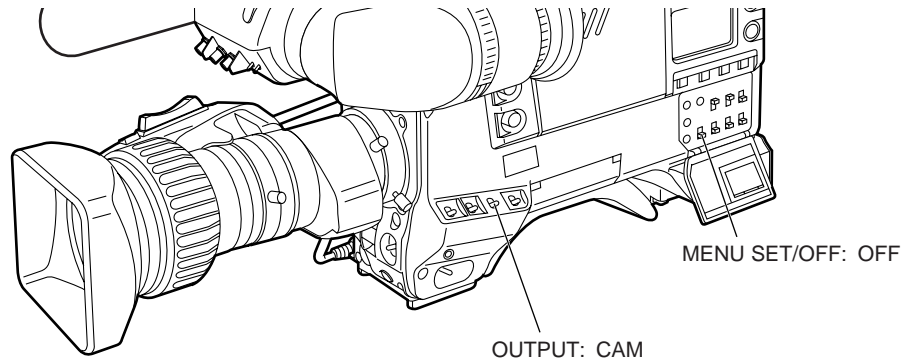
# Adjusting the White Balance/Black Balance

The black balance must be adjusted in the following cases.

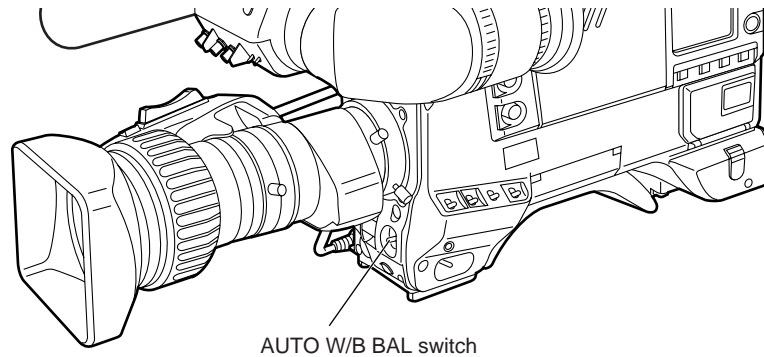
- When the unit is used for the first time
- When the unit is first used after an extended period of non-use
- When the unit is used under conditions where the ambient temperature has changed by a wide margin
- When the gain selector value is changed
- When the super gain setting has been changed using the SUPER GAIN button
- When the gamma ON/OFF is changed

## Adjusting the Black Balance

- 1** Set the switches as shown in the figure.



- 2** Press the AUTO W/B BAL switch to the ABB side and then release the switch. The switch returns to the center and the black balance is automatically adjusted.



- 3** During the adjustment, the following message will appear on the viewfinder screen. (However, the message appears only when the display mode is set to “2” or “3”.)



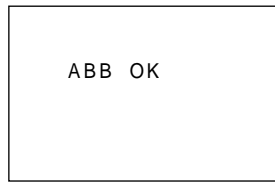
Message during adjustment

- The lens iris automatically goes to the “CLOSE” position during the adjustment.

## Adjusting the White Balance/Black Balance

---

- 4** Adjustment is completed after a few seconds (the following message appears) and the adjustment value is automatically stored in the memory.



Message after adjustment is completed

### <Notes>

- Check that the lens connector is connected and that the iris of the lens is set to CLOSE.
- During black balance adjustment, the iris automatically goes to the shaded status.
- During black balance adjustment, the gain selector circuit switches automatically.  
In addition, flicker and noise may appear on the viewfinder screen, but this does not indicate a malfunction.
- The black balance cannot be adjusted while the setting menu is displayed on the viewfinder screen. Therefore, be sure to set the MENU SET/OFF switch to OFF.
- If the black shading is not satisfactory even when the "ABB OK" message appears, open the "AUTO SHADING" SUB menu page of MAIN menu screen 4 of 4, and adjust the black shading. (See page 141.)
- The black shading adjustment is performed automatically when the AUTO W/B BAL switch is held down at the ABB position for 6 or more seconds.
- When the super gain is set to ON, the black balance is performed at the preset position in the white balance memory.

# Setting the Electronic Shutter

---

## Shutter Modes

The shutter modes which can be used with the unit's electronic shutter and the shutter speeds which can be selected are as follows.

### Shutter modes and shutter speeds which can be selected

Mode	Shutter speed	Application
Standard	1/100, 1/120, 1/250, 1/500, 1/1000 and 1/2000 (seconds)	This mode is used to shoot clear images of quickly moving subjects.
SYNCHRO SCAN	Range from 60.8 Hz to 250 Hz	This mode is used to reduce horizontal stripe patterns for monitor screens with a vertical scanning frequency of 60 Hz or more.
SUPER V		This mode is used to increase the vertical resolution.

#### <Notes>

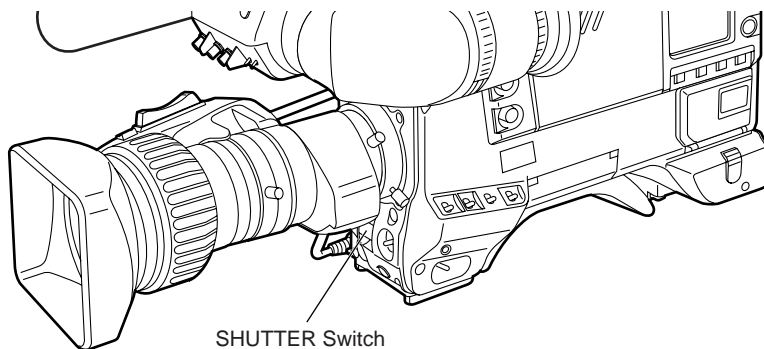
- Increasing the shutter speed lowers the camera sensitivity regardless of electronic shutter mode.
- If the iris is set to AUTO, the iris opens and the depth of the focuses decreases as the shutter speed rises.

# Setting the Electronic Shutter

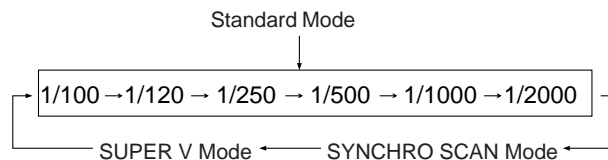
## Setting the Shutter Mode/Speed

- The shutter speed during shutter mode and standard mode is set by the SHUTTER switch.
- During SYNCHRO SCAN mode, the shutter speed can be set beforehand at the SYNCHRO SCAN page of the setting menu. In the SYNCHRO SCAN mode, the shutter speed can easily be changed using the SYNCHRO (“+” and “-”) buttons. (It can also be set using the UP or DOWN button.)
- The shutter speed selection range can be limited to the required range and whether to use special operation modes (SYNCHRO SCAN or SUPER V) can be selected at the SHUTTER SPEED page of the setting menu.

- 1** Set DISP MODE on the “VF DISPLAY” SUB menu page of MAIN menu screen 2 of 4 to “2” or “3” by following the steps outlined in “Changing the Display Mode” (page 62).
- 2** Press the SHUTTER switch from the ON position to the SEL side. The current shutter setting appears in the setting change message display position on the viewfinder screen.  
Ex.: 1/120, 1/60.8, etc.



- 3** Press the SHUTTER switch to the SEL side repeatedly until the desired mode or speed appears. When all modes and speeds can be displayed, the display changes in the order shown below. If the required shutter speeds and modes have been designated beforehand, only the designated speeds or modes appear.



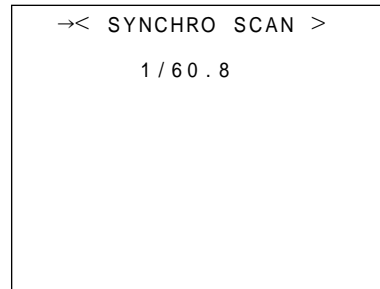
- When the unit is shipped from the factory, SUPER V mode is not specified and is therefore not displayed.

# Setting the Electronic Shutter

---

## Setting the Synchro Scan Mode

- 1** Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2** Press the PAGE button to display the MAIN menu screen 2 of 4.
- 3** Press the SHIFT/ITEM button to move the cursor to the “SYNCHRO SCAN” position.
- 4** Press the UP or DOWN button to open the SYNCHRO SCAN page.



- 5** Press the UP (the value increases) or DOWN (the value decreases) button repeatedly to display the desired frequency. The frequency can be switched continuously within the range of 60.8 Hz to 250 Hz.
- 6** When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen. Pressing the SYNCHRO (“+” and “–”) buttons in the SYNCHRO SCAN mode results in the same operation which is performed when the UP and DOWN buttons mentioned above are pressed.

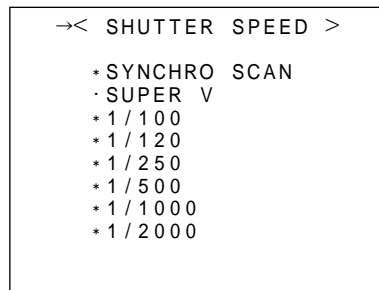
# Setting the Electronic Shutter

---

## Changing the Shutter Speed/Mode Selection Range

The shutter speed selection range can be limited to the required range and whether to use a special operation mode can be selected at the SHUTTER SPEED page of the setting menu. The unit is set so that the SHUTTER SPEED page is not displayed when shipped from the factory. To operate the SHUTTER SPEED page, switch the unit to engineer mode or select the SHUTTER SPEED page at the MENU SELECT page beforehand.

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2 Press the PAGE button to display the MAIN menu screen 2 of 4.
- 3 Press the SHIFT/ITEM button to move the cursor to the "SHUTTER SPEED" position.
- 4 Press the UP or DOWN button to open the SHUTTER SPEED page.



**<Note>**

The ON/OFF status for each item is indicated by displaying an asterix (\*) or period (·) in front of the item on the screen.

- 5 Press the SHIFT/ITEM button repeatedly to move the cursor to the position of the mode or shutter speed to be set.
- 6 The selected mode or speed changes from used (ON) to not used (OFF) and vice versa each time the UP (or DOWN) button is pressed.
- 7 When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

**<Note>**

When operating the unit from the AQ-EC1 extension control unit (option), even if the SHUTTER SPEED page is operated from the unit, the switches of the AQ-EC1 have priority regarding the actual shutter speed.

- See "Setting Menu Configuration" (page 51) for a description of engineering mode and selecting display pages.

## Changing the Iris Automatic Adjustment Reference Value

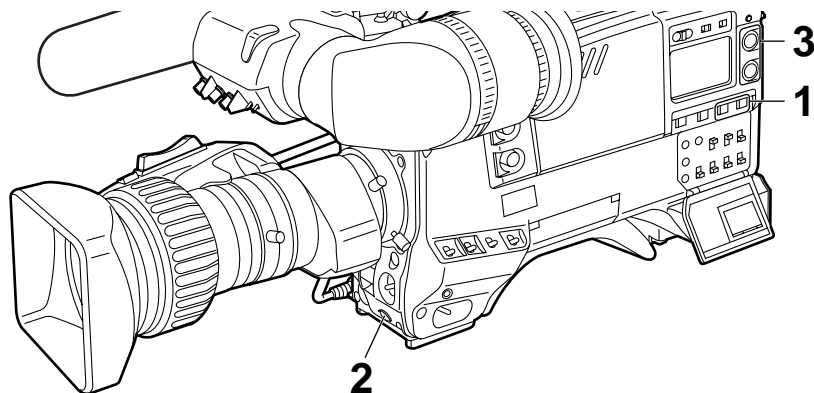
---

To change one of the reference values, use the UP or DOWN button to change the A.IRIS LEVEL, A.IRIS PEAK/AVE and/or A.IRIS MODE value on the "GENLOCK/IRIS" SUB menu page of MAIN menu screen 3 of 4.



## Adjusting the Audio Level

If the AUDIO SELECT CH1/CH2 selector switch is set to AUTO, the input levels of audio CH1 and CH2 are automatically adjusted. If the level of audio channels 1 and 2 are to be manually adjusted, perform the following operations.



### Manually Adjusting the Audio Level

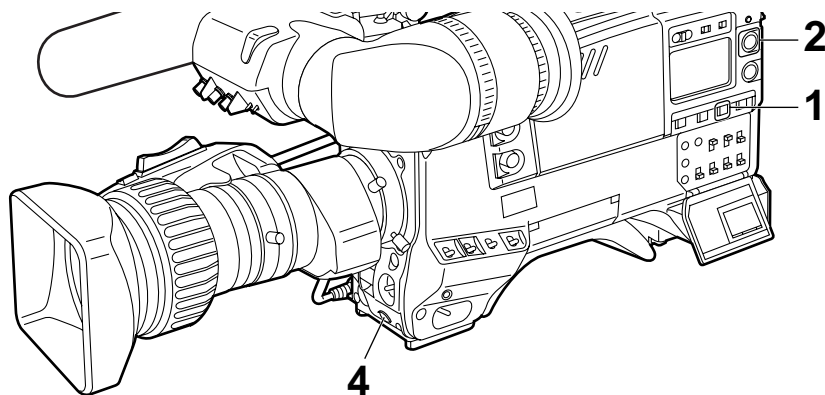
- 1 Set the AUDIO SELECT CH1/CH2 selector switch to MAN.
- 2 Turn the AUDIO LEVEL CH1 control at the bottom of the front panel completely to the right.
- 3 Turn the AUDIO LEVEL CH1/CH2 controls to adjust the audio level so that the level meter appears up to 0 dB at the maximum volume.

### Limiter

When the audio level is adjusted manually, the limiter circuit operates with respect to excessive input. The limiter circuit is turned ON or OFF on the "MIC/AUDIO" SUB menu page of MAIN menu screen 3 of 4. (The factory setting is "OFF".)

### Adjusting the Audio CH1 Level from the Viewfinder

The audio CH1 level can be adjusted by the AUDIO LEVEL CH1 control at the bottom of the front panel while watching the viewfinder.



- 1 Set the AUDIO SELECT CH1 switch to MAN.
- 2 Turn the AUDIO LEVEL CH1 control on the side panel completely to the right.
- 3 Set LEVEL METER to "CH1" on the "VF INDICATOR" SUB menu page of MAIN menu 2 of 4. The audio level display now appears on the viewfinder screen.

## Adjusting the Audio Level

---

- 4** Turn the AUDIO LEVEL CH1 control at the bottom of the front panel to adjust the input volume so that the audio level display appears as shown below.
- When the input volume is normal, the audio level display turns ON up to the seventh of the eight level display bars from the left.
  - When the rightmost (0 dB) turns asterisk (\*) mark, the input volume is excessive. Adjust the level so that the display bar does not turn \* mark.



### **When the optimal level cannot be set**

The maximum attenuation of the AUDIO LEVEL CH1 control at the bottom of the front panel is about 20 dB. When the optimal level cannot be set within this range, adjust the level using the AUDIO LEVEL CH1 control on the side panel.

### **Using the AUDIO LEVEL CH1 controls at the bottom of the front panel and on the side panel**

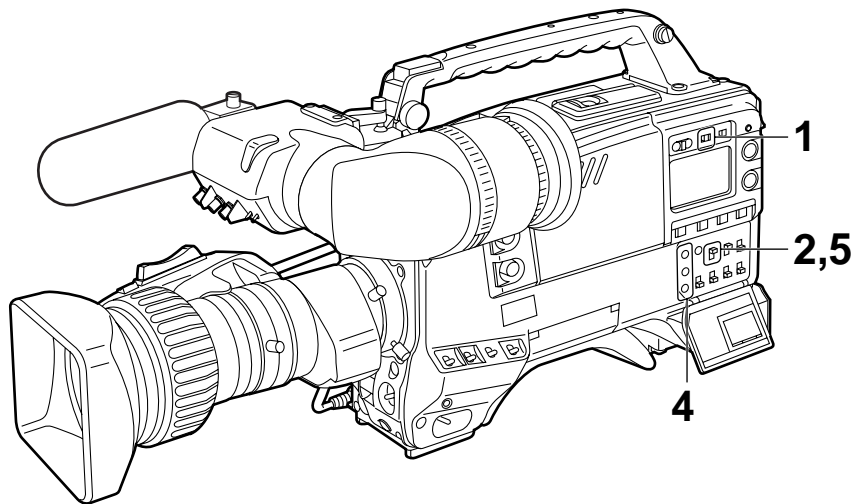
Normally, the control at the bottom of the front panel is turned completely to the right and the recording level is adjusted using the control on the side panel.

The control at the bottom of the front panel is used to throttle the level when the input level increases suddenly during recording.

# Setting the Time Data

## Setting the Time Code

When using both the user bit and the time code, set the user bit first. If the time code is set first, the time code generator will stop while the user bit is being set, causing the set time code to become inaccurate. The time code can be set within the range of 00:00:00:00 to 23:59:59:29.



- 1** Set the DISPLAY switch to TC.
- 2** Set the TCG switch to SET.
- 3** Set TC MODE to "DF" or "NDF" on the "VTR FUNCTION" SUB menu page of MAIN menu 2 of 4. Select DF when the time code is to be advanced during drop frame mode, and NDF when the time code is to be advanced during non-drop frame mode.
- 4** Set the time code using the SHIFT/ITEM, UP and DOWN buttons.  
**SHIFT/ITEM button:** This is used to cause the digit which is to be set to flash. Each time it is pressed, the flashing digit moves to the right.  
**UP button:** This increments by 1 the figure of the flashing digit.  
**DOWN button:** This decrements by 1 the figure of the flashing digit.
- 5** Set the TCG switch.  
Set the switch to F-RUN when the time code is to be advanced regardless of the VTR's operation.  
Set the switch to R-RUN when the time code is to be advanced only while recording is in progress.

### Time code status during battery replacement

The back-up mechanism functions even while replacing the battery to allow the time code generator to continue operating for extended periods of time (approx. 1 year).

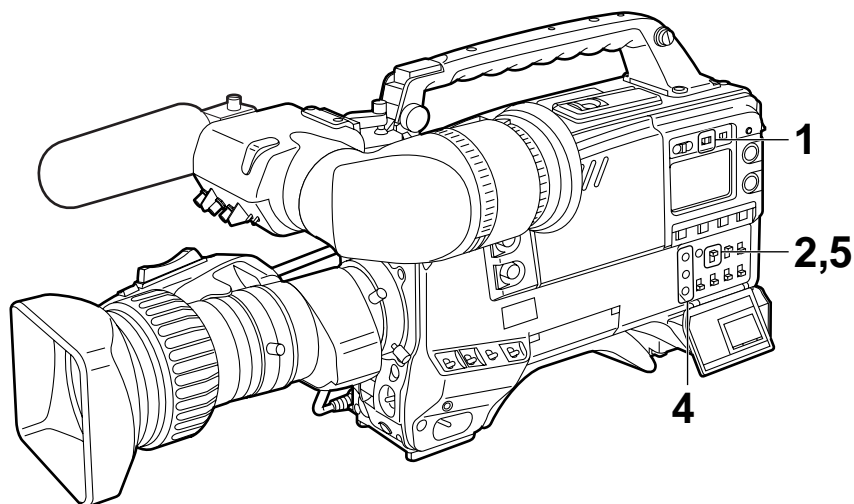
#### <Note>

The time code backup accuracy is approx. +/-2 frames when the POWER switch is set to ON, OFF and back ON.

# Setting the Time Data

## Setting the User Bit

Setting the user bit allows up to 8 digits of hexadecimal data such as memos (date, time), etc. to be recorded in the sub code track.



- 1** Set the DISPLAY switch to UB.
- 2** Set the TCG switch to SET.
- 3** Select UB MODE on the “VTR FUNCTION” SUB menu page of MAIN menu 2 of 4.
- 4** Set the user bit using the SHIFT/ITEM, UP and DOWN buttons.  
**SHIFT/ITEM button:** This is used to cause the digit which is to be set to flash. Each time it is pressed, the flashing digit moves to the right.  
**UP/DOWN buttons:** These increment/decrement by 1 the figure of the flashing digit.

The hexadecimal characters A to F appear as follows.

Hexadecimal	A	B	C	D	E	F
Display	<i>A</i>	<i>b</i>	<i>C</i>	<i>d</i>	<i>E</i>	<i>F</i>

- 5** Set the F-RUN/R-RUN switch to F-RUN or R-RUN.

### User bit memory function

The user bit setting (except for the real time) is automatically stored in the memory and held even after the power is turned off. However, care should be taken as the settings are not stored in the memory if the time from when the power was turned on until the setting operations are completed and the power is turned off is less than 20 seconds.

#### <Notes>

- When DATE has been selected for UB MODE, the real time operations for YEAR/MONTH/DAY/HOUR on the TIME/DATE page apply.
- When TIME has been selected for UB mode, the real time operations for HOUR/MINUTE/SECOND on the TIME/DATE page apply.

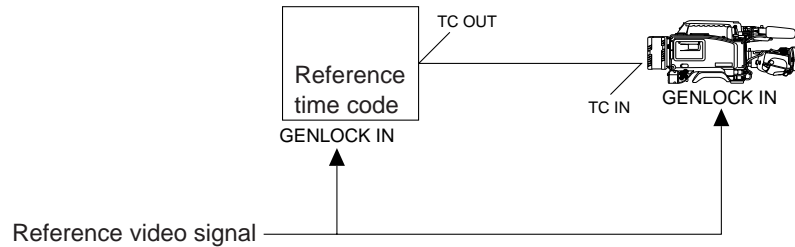
# Setting the Time Data

## Locking the Time Code to an External Source

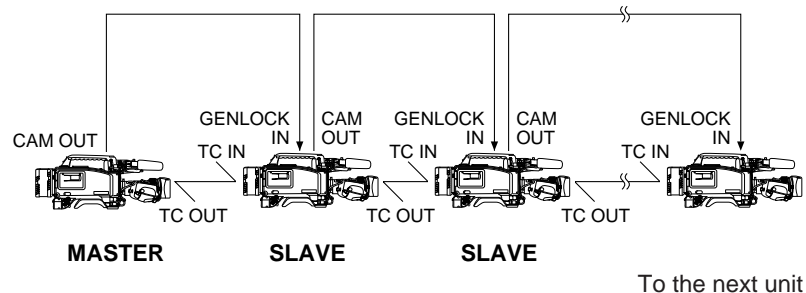
The time code generator of the VTR section can be locked to an external generator.

### Example of connections for external locking

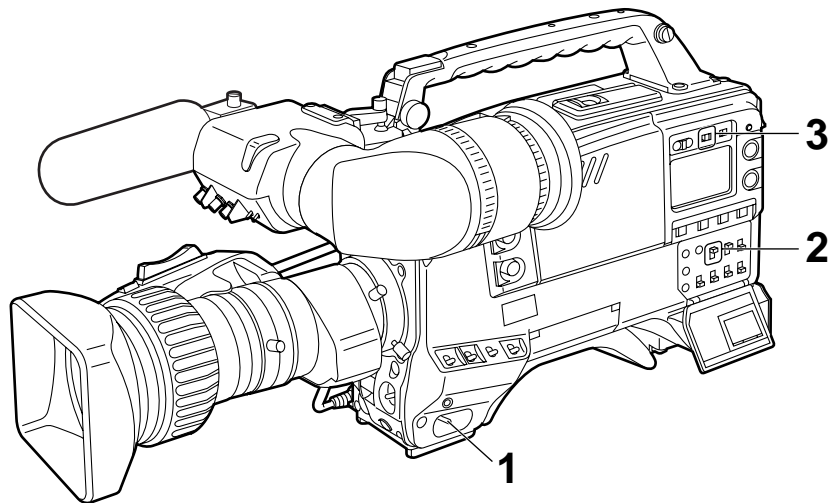
#### Example 1: Locking the time code to an external signal



#### Example 2: When a multiple number of AJ-D610WA units are connected with one unit serving as the master unit and the others as the slave units



## External Lock Operation Procedure



- 1 Set the POWER switch to ON.
- 2 Set the F-RUN/R-RUN switch to F-RUN.
- 3 Set the DISPLAY switch to TC.
- 4 Supply reference time code and reference video signals, whose phases correlate in a way that meets the time code standards, to the TC IN and GENLOCK IN/(VIDEO IN) connectors, respectively.

# Setting the Time Data

---

This locks the built-in time code generator to the reference time code. After about 10 seconds have passed since the time code generator was locked, the external lock status is maintained even if the external reference time code is disconnected. However, if the reference time code is disconnected during recording (REC), the servo lock will be thrown out of order.

## <Note>

When the external locking operation is performed, the time code is locked instantly to the external time code and the same value as the external code value appears in the counter display position. Do not set the VTR to recording mode for several seconds until the sync generator has stabilized.

## Setting Time Data

### User bit setting during external locking

When the time code is locked to an external source, only the time data is locked to the time data of the time code from the external source. Accordingly, the user bit can be set independently for each unit. The user bit can also be locked to the user bit of the time code from the external source.

●Consult your dealer for a detailed explanation.

### Releasing the external lock

Stop supplying the external time code and then set the F-RUN/R-RUN switch to R-RUN.

### Switching the power supply from the battery to an external power supply during external locking

In order to maintain power supply continuity for the time code generator, connect the external power supply to the DC IN connector before unplugging the battery pack. If the battery pack is unplugged first, the external locking continuity of the time code cannot be assured.

### Synchronizing the camera section to an outside source during external locking

During external locking, the camera section is genlocked by the reference video signal which is supplied to the GENLOCK IN/(VIDEO IN) connector.

# Using the user data

---

The setting menu contents can be saved in the user area of the camera's memory so that they can be loaded as and when required. This data enables the suitable setup statuses to be re-established without delay.

## User data operation

A menu is used to save the data settings in the user area of the camera's memory or to load them.

### Saving the user data

- 1 The menu's INITIALIZE screen is used to save the user data.
- 2 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 3 Press the PAGE button to display the MAIN menu screen 4 of 4.
- 4 Press the SHIFT/ITEM button to move the cursor to the "INITIALIZE" position.
- 5 Press the UP or DOWN button to open the INITIALIZE page.  
When the SHIFT/ITEM is pressed to align the arrow with WRITE USER DATA and the UP or DOWN button is pressed, the data settings will be saved in the user area of the camera's memory.
- 6 After the settings have been saved, set the MENU SET/OFF switch to the OFF position.

### Loading the user data

- 1 The menu's CARD READ/WRITE screen is used to set the unit to the status in which the data settings were saved in the user area of the camera's memory.
- 2 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 3 Press the PAGE button to display the MAIN menu screen 3 of 4.
- 4 Press the SHIFT/ITEM button to move the cursor to the "CARD READ/WRITE" position.
- 5 Press the UP or DOWN button to open the CARD READ/WRITE page.  
Press the SHIFT/ITEM to align the arrow with READ USER DATA, and press the UP or DOWN button.  
The data settings, which were saved in the user area of the camera's memory, are now loaded, and the settings are completed.
- 6 Set the MENU SET/OFF switch to the OFF position.

# Setup Card Operations

---

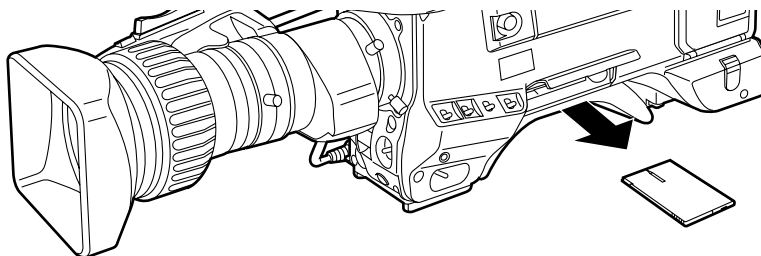
Setting menu contents can be stored using setup memory cards (SHL-064HSRVS, option). This data can then be used to quickly recreate the appropriate setup conditions. Subject data, etc. can also be stored on setup cards. See the Setup Card Application Instructions for a detailed description.

- Optional cards include the general purpose memory card (SRAM 64KB or more) which is used as the setup card and the ATA flash memory card (4MB or more) which is used for the Picture Link function. (However, the AJ-YAP900 Picture Link adaptor board, which is available as an optional accessory, is required when using the ATA flash memory card.)

## Setup Card Handling

### Ejecting setup cards

Lift up on the lower edge of the cover to open the cover and remove the setup card.

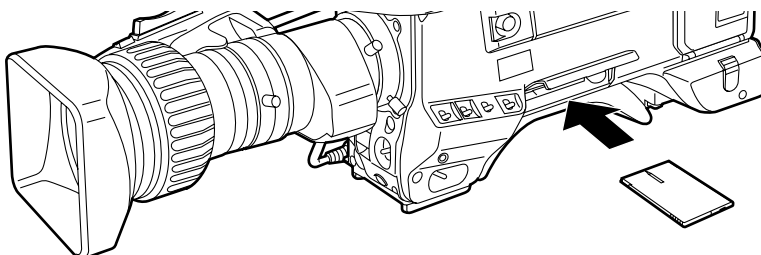


#### <Note>

Take care not to touch the connectors at the front of the setup card.

### Inserting setup cards

Position the unit so that the panel with the logo faces you, insert the setup card into the setup card insertion slot and then close the cover.



#### <Note>

Check that the unit is positioned with the logo facing you and that the characters are facing the correct direction, and then insert the card. Be sure to insert the card in the correct direction. If the card is difficult to insert, the card may be backwards or upside-down. In these cases, do not attempt to force in the card, but check whether the card is backwards or upside-down and then reinsert the card.

### Usage and storage precautions

The following points should be observed when using and storing setup cards.

- Avoid high temperatures and humidity.
- Do not expose setup cards to water.
- Avoid electrostatic charges.

Store setup cards inserted in the unit with the cover closed.

# Setup Card Operations

## Setup Card Data Operations

Operations to store setting data on setup cards and read out stored data are performed at the "CARD READ/WRITE" SUB menu page of MAIN menu screen 2 of 4.

<Note>

When operating the unit with a remote controller, the CARD READ/WRITE page cannot be operated from the unit.

### Formatting setup cards

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2 Press the PAGE button to display the MAIN menu screen 3 of 4.
- 3 Press the SHIFT/ITEM button to move the cursor to the "CARD READ/WRITE" position.
- 4 Press the UP or DOWN button to open the CARD READ/WRITE page.

```
→< CARD READ /WRITE >

READ
  SELECT          1
WRITE
  SELECT          1
CARD CONFIG
READ USER DATA
```

- 5 Press the SHIFT/ITEM button repeatedly to move the cursor to the CARD CONFIG. position.
- 6 A menu shown below appears when the UP (or DOWN) button is pressed.

```
< CARD READ /WRITE >

READ
  SELECT          1
WRITE
  SELECT          1
→CARD CONFIG
READ USER DATA

CONFIG? (Y:UP.N:DOWN)
```

- 7 Press the UP button to format the set up card. When the setup card has been formatted, the message shown below appears.

<Note>

When setup cards are formatted, the setting conditions at that time are also input simultaneously.

```
< CARD READ /WRITE >

READ
  SELECT          1
WRITE
  SELECT          1
→CARD CONFIG
READ USER DATA

FORMAT OK
```

- 8 When menu operations have been completed, return the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.



# Setup Card Operations

---

## When data is not formatted

If the following error messages appear when the UP button is pressed in step 7, the data is not formatted.

### Data format error messages

Error message	Condition	Countermeasure
<b>WRITE PROTECT</b>	The write protect switch on the side of the card is set to ON.	Set the write protect switch on the side of the card to OFF.
<b>NO CARD</b>	A setup card is not inserted.	Insert a card.
<b>ERROR</b>	The disk cannot be formatted.	The card may be defective. Replace the card.

# Setup Card Operations

---

## Writing set data to cards

- 1** Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2** Press the PAGE button to display the MAIN menu screen 3 of 4.
- 3** Press the SHIFT/ITEM button to move the cursor to the “CARD READ/WRITE” position.
- 4** Press the UP or DOWN button to open the CARD READ/WRITE page.

```
→< CARD READ /WRITE >  
  
  READ  
    SELECT          1  
  WRITE  
    SELECT          1  
  CARD CONFIG  
  READ USER DATA
```

- 5** Press the SHIFT/ITEM button repeatedly to move the cursor to the WRITE position.
- 6** A menu shown below appears when the UP (or DOWN) button is pressed.

```
< CARD READ /WRITE >  
  
  READ  
    SELECT          1  
→WRITE  
    SELECT          1  
  CARD CONFIG  
  READ USER DATA  
  
WRITE? (Y:UP,N:DOWN)
```

- 7** Press the UP button to write data on the set up card. When writing is complete, the message shown below appears.

```
< CARD READ /WRITE >  
  
  READ  
    SELECT          1  
→WRITE  
    SELECT          1  
  CARD CONFIG  
  READ USER DATA  
  
WRITE OK
```

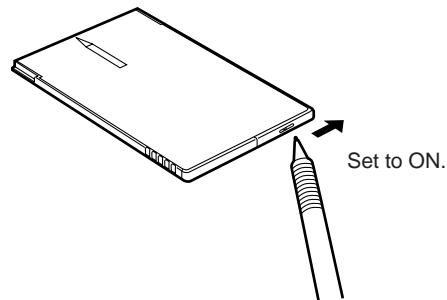
- 8** When menu operations have been completed, return the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status appear at the top and bottom of the viewfinder screen.

# Setup Card Operations

---

## Protecting stored data

If the setup card's WRITE PROTECT switch is set to ON, data is not rewritten even if the UP button is pressed in step 7.



## When data is not written

If the following error messages appear when the UP button is pressed in step 7, the data is not written.

### Data writing error messages

Error message	Condition	Countermeasure
<b>NO CONFIG</b>	The setup card is not formatted.	Format the card.
<b>NO CARD</b>	A setup card is not inserted.	Insert a card.
<b>WRITE PROTECT</b>	The write protect switch on the side of the card is set to ON.	Set the write protect switch on the side of the card to OFF.
<b>ERROR</b>	Data cannot be written on the card.	The card may be defective. Replace the card.

# Setup Card Operations

## Reading out data stored on cards

- 1 Set the MENU SET/OFF switch to the SET position while the SHIFT/ITEM button and UP button are held down together.
- 2 Press the PAGE button to display the MAIN menu screen 3 of 4.
- 3 Press the SHIFT/ITEM button to move the cursor to the "CARD READ/WRITE" position.
- 4 Press the UP or DOWN button to open the CARD READ/WRITE page.
- 5 Press the SHIFT/ITEM button to move the cursor to the "READ" position.
- 6 Press the UP (or DOWN) button. A message such as the one shown in the figure below appears on the screen.

```
< CARD READ/WRITE >
→READ
  SELECT          1
  WRITE
  SELECT          1
  CARD CONFIG
  READ USER DATA

READ? ( Y : UP . N : DOWN )
```

- 7 Press the UP button to read data from the set up card. When readout is complete, the message shown below appears.

```
< CARD READ/WRITE >
→READ
  SELECT          1
  WRITE
  SELECT          1
  CARD CONFIG
  READ USER DATA

  READ OK
```

- 8 When menu operations have been completed, set the MENU SET/OFF switch to OFF. The setting menu disappears from the viewfinder screen and the displays indicating the unit's current status based on the data read out from the setup card appear at the top and bottom of the viewfinder screen.

## When data is not read out

If the following error messages appear when the UP button is pressed in step 7, the data is not read out.

### Data readout error messages

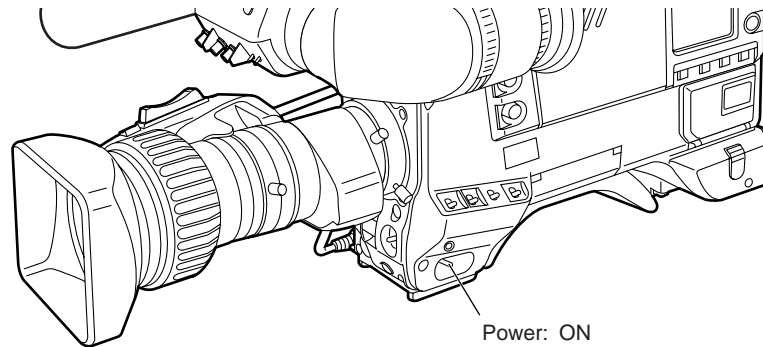
Error message	Condition	Countermeasure
NO CONFIG	The setup card is not formatted.	Format the card.
NO CARD	A setup card is not inserted.	Insert a card.
ERROR	Data cannot be read out.	Data written by devices other than this unit cannot be read out.

# Cassettes

## Inserting and Ejecting Cassettes

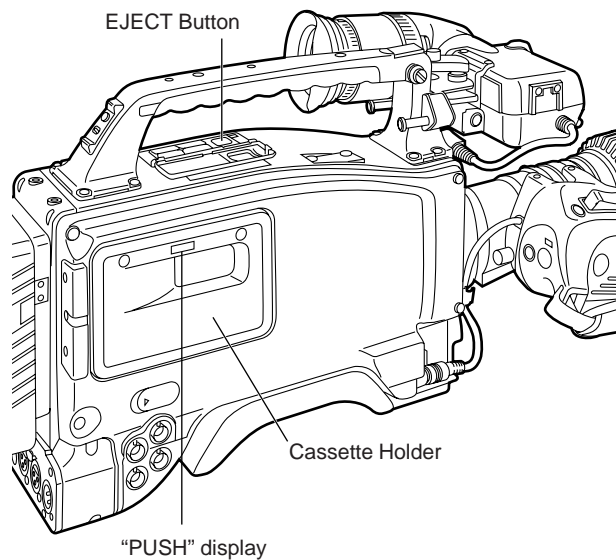
### Inserting cassettes

- 1 Check that there are no cables, etc. around the cassette holder and the top panel and then set the POWER switch to ON.



If condensation has occurred inside the unit, the HUMID display lights. In these cases, wait until the display goes off before proceeding to step 2.

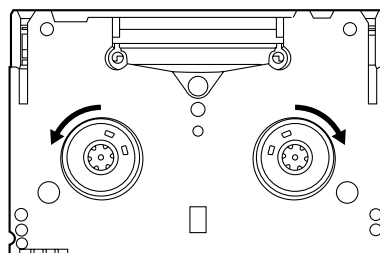
- 2 Press the EJECT button. The cassette holder opens.



- 3 Check there is no slack in the tape, insert the cassette, then press the "PUSH" display on the cassette holder to close the cassette holder firmly.

### Checking that there is no slack in the tape

Press the reel in with your finger and turn it lightly in the direction of the arrow. If the reel does not turn, there is no slack in the tape.



# Cassettes

---

## Ejecting cassettes

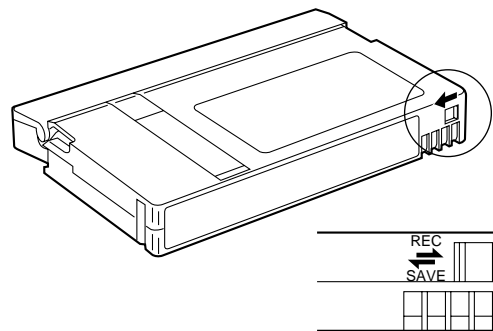
With the power turned on, press the EJECT button to open the cassette holder and eject the cassette. If a cassette is not to be inserted immediately after ejecting the cassette, close the cassette holder.

## Ejecting cassettes when the battery has run out

Set the POWER switch to OFF to turn off the power, then turn on the power again and immediately hold down the EJECT button. If there is still power remaining in the battery, the cassette will be ejected. However, this operation should not be repeated.

## Preventing Accidental Erasure

Set the tab on the cassette to the SAVE side to prevent the recorded contents of tapes from being accidentally erased.

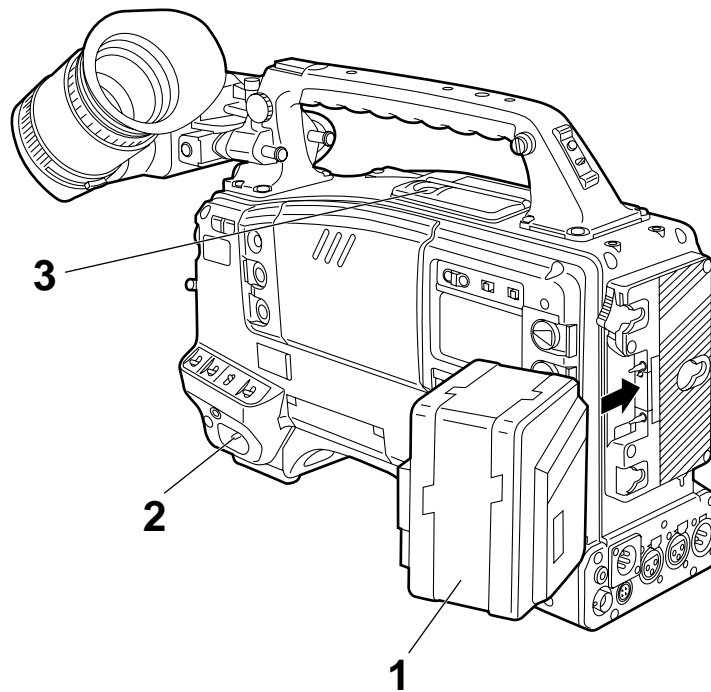


## Basic Procedures

This section describes the basic operating procedures for shooting and recording. When starting to shoot actual images, inspect the unit beforehand to check that all systems are functioning normally.

• See the “Inspections Before Shooting” (page 151) for a description of inspection procedures.

### Procedures from power supply preparations to inserting a cassette



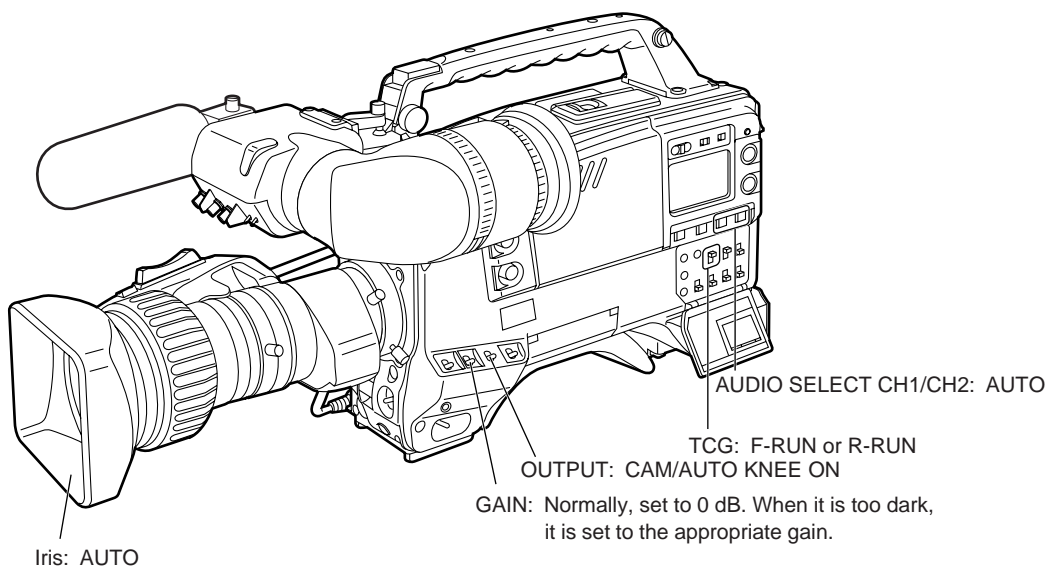
- 1** Insert a charged battery pack.
- 2** Set the POWER switch to ON and check that the HUMID display does not appear and that five or more bars of the remaining battery level display are lighted.
  - If the HUMID display appears, wait until the display goes off.
  - If five or more bars of the remaining battery level display are not lighted, replace the battery pack with a sufficiently charged battery pack.
- 3** Check that there are no cables, etc. around the cassette holder and top panel and then press the EJECT button to open the cassette holder.
- 4** Check the following items, and then insert a cassette and close the cassette holder.
  - The cassette is not set to write protect status.
  - There is no slack in the tape.

## Recording

---

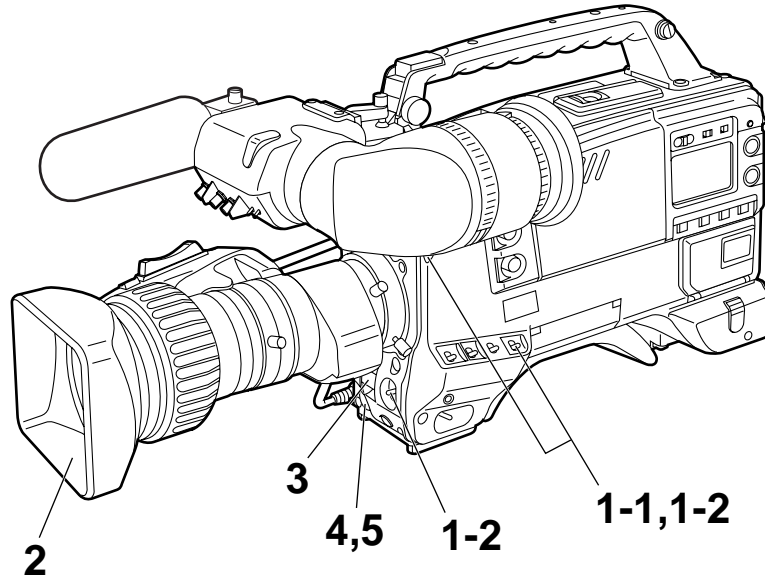
### Procedures from adjusting the white balance and black balance to stopping recording

Turn on the power, insert a cassette, and then set the various switches as follows.





## Shooting images



**1-1** Select the filter in accordance with the lighting conditions, and when the white balance has already been stored in the memory, set the WHITE BAL switch to “A” or “B”.

**When the white balance and black balance have not been stored in the memory and there is no time to adjust the white balance:**

Set the WHITE BAL switch to PRST and the FILTER knob to “1”.

A 3200K white balance is now achieved.

**1-2** To adjust the white balance on site, select the filter which corresponds with the lighting conditions, set the WHITE BAL switch to “A” or “B”, and adjust the white balance by following the steps below.

(1) Press the AUTO W/B BAL switch to the AWB side to adjust the white balance.

(2) Press the AUTO W/B BAL switch to the ABB side to adjust the black balance.

(3) Press the AUTO W/B BAL switch to the AWB side to adjust the white balance.

For details on how to adjust the white balance, read through the section entitled “Adjusting the white balance/black balance” (page 70).

**2** Aim the camera at the subject and adjust the focus and zoom.

**3** When using the electronic shutter, set the shutter speed and operation mode.  
•See “Setting the Electronic Shutter” (page 77) for a detailed description.

**4** Press the VTR START button of the unit or the VTR button of the lens to start recording. The REC lamp inside the viewfinder lights during recording.

**5** Press the VTR START button again to stop recording. The REC lamp inside the viewfinder goes off.

### Tape operation buttons

The tape operation buttons (EJECT, REW, FF, PLAY/PAUSE and STOP) do not function during recording.

# Recording

---

## Successive Shooting

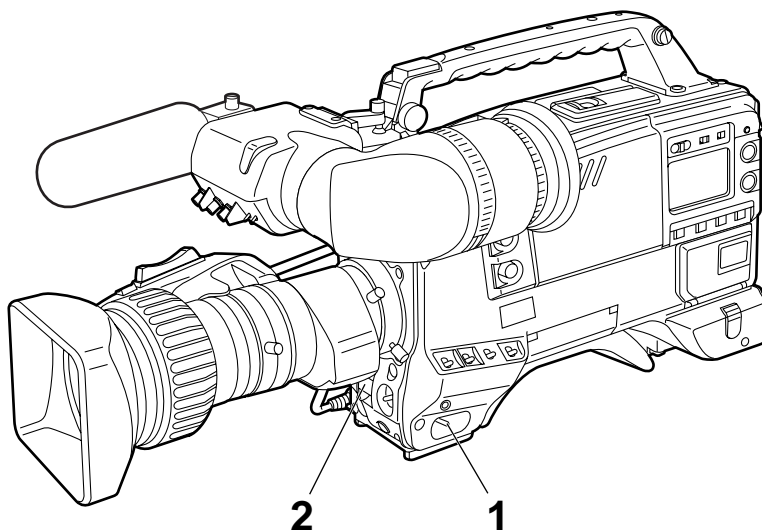
Successive shooting with an accuracy of within 0—+1 frame can be performed simply by pressing the VTR START button of the unit or the VTR button of the lens while recording is paused.

### While recording is paused

The unit automatically searches for the successive shooting point. However, the time until recording starts differs according to the setting of the VTR SAVE/STBY switch.

- If the VTR SAVE/STBY switch is set to SAVE, recording starts about 2 seconds after the VTR START button is pressed.
- If the VTR SAVE/STBY switch is set to STBY, recording starts immediately after the VTR START button is pressed.

### Successive shooting when the power is turned off while recording is paused



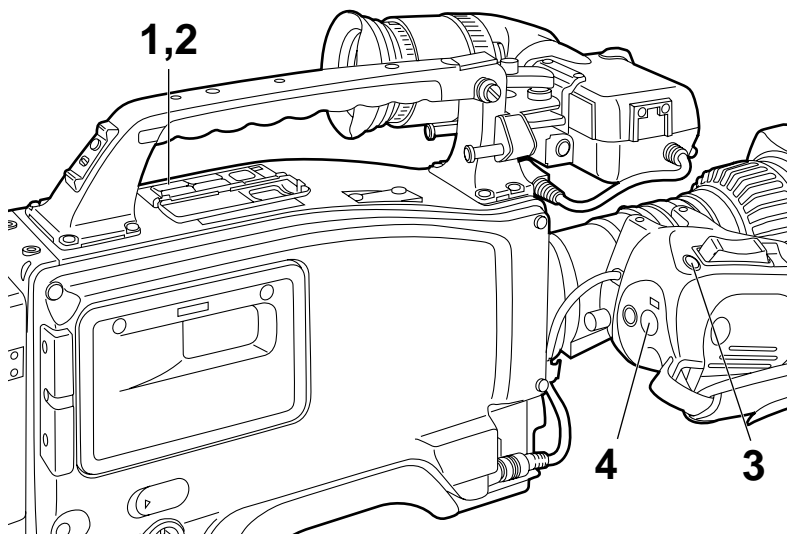
- 1** Turn the power back on.
- 2** Press the VTR START button of the unit or the VTR button of the lens to start recording.

# Recording

---

## Successive Shooting in Other Cases

If successive shooting is to be performed after the tape has been run, the cassette has been ejected, or when using a tape which has only been recorded part-way, follow the procedures outlined below.



- 1** While monitoring the viewfinder screen, press the PLAY/PAUSE button to play back the tape.
- 2** At the place where a new recording is to continue on from the existing recording, press the PLAY/PAUSE (or STOP) button again to stop the tape.
- 3** Press the RET button on the lens. Preparations for frame-to-frame continuity are made about two seconds later.
- 4** Press the VTR START button of the unit or the VTR button of the lens to start recording.

## Playback—Checking Recorded Contents

---

Pressing the PLAY/PAUSE button allows black-and-white images to be viewed on the viewfinder screen. Playback images can also be viewed in two other ways.

- **Rec review:** When the RET switch has been set to “REC CHECK” on the “REC (ASPECT)/RET” setting menu, it is possible to view the last two seconds of the recording in the form of black-and-white images on the viewfinder screen.

- **Color playback:** Connecting a color monitor to the unit’s VIDEO OUT connector allows color playback images to be viewed on the monitor.

The playback signal is output to the viewfinder even during rewind (REW) and fast forward (FF). Audio output selection and volume adjustment for the playback signal are performed by the MONITOR switches and knobs on page 13.

### Rec Review

If recording is paused and the RET button on the lens is pressed, the tape is automatically re-wound and the playback images for the last two seconds appear on the viewfinder. This allows the recording status to be checked.

After playback, the unit returns to the recording start standby status. Holding down the RET button rewinds and plays back up to 10 seconds of the tape.

**<Note>**

The rec review function cannot be used unless recording has been performed for more than 1 second.

### Color Playback

Connecting a color monitor to the VIDEO OUT connector of the unit allows color playback images to be viewed on the monitor.

## Connection With an External VTR

The unit is equipped with an interface which enables recording to be performed by an external VTR.

- Mounting the AJ-YA900P 26-pin/12-pin output adaptor (option) and connecting the 26-pin cable (option) to the unit allows recording to be performed by the VTR section (internal VTR) of the unit and an external VTR. The component video signal is output from the 26-pin interface.

### Precautions When Connecting an External VTR

- Set 26P CONTROL on the "VTR FUNCTION" setting menu to "BOTH" or "ON".  
(The factory setting is "OFF".)
- Set SW201 on the CAM ENC board to ON. (Before the unit was shipped from the factory, this switch was set to OFF.)

#### Power supply

Power is not supplied or received between the unit and the external VTR, so special power supplies should be provided for each unit. The BATT lamp and remaining battery level display function inside the viewfinder indicate the power supply status only for the internal VTR. The power supply status for the external VTR should be checked at the external VTR.

#### TALLY lamp and REC lamp operation

The unit's TALLY lamp and the REC lamp inside the viewfinder indicate the REC status of the unit when 26P CONTROL is set to BOTH. When 26P CONTROL is set to ON, these lamps indicate the REC status of the external VTR.

#### Warning tone

External VTR-related warning tones are not output from the unit's speaker or PHONES jack.

#### Note on connecting cables

The signals may not be connected properly with some cables.

The signal assignments for the 26-pin/12-pin output adaptor AJ-YA900P (optional) are shown in the following table. Use this table as a reference for connection with an external VTR.

Pin No.	Signal	Pin No.	Signal
1	Composite video signal	9	CAM MIC (H)
2	Composite video GND	10	CAM MIC (C)
3	Y GND	11	CAM MIC (GND)
4	Y signal	12	VTR START/STOP
5	P <sub>R</sub> signal	15	REC TALLY
6	P <sub>R</sub> GND	18	RET VIDEO
7	P <sub>B</sub> signal	19	RET VIDEO GND
8	P <sub>B</sub> GND	B	GND

# Recording Simultaneously with the Internal VTR and an External VTR

---

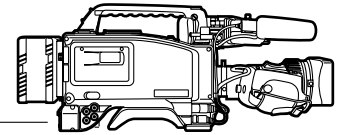
## Connections

Mount the AJ-YA900P 26-pin/12-pin output adaptor (option) to the unit, connect the external VTR with the 26-pin cable, and set the audio input level selector switch of the external VTR to “-60 dB”.

SW201 on the CAM ENC and SW1 (26PIN) on the CAM SYNC Printed Circuit Board of the unit must be set to ON side. (See page 104.)

Audio input level selector switch: -60 dB

Portable VTR  
(Set the audio input level  
selector switch to -60 dB.)



To the 26-pin connector of the  
AJ-YA900P (See page 104 for mounting the  
26-pin/12-pin output adaptor)

## Checking the Function Settings

Check that the function to control the 26-pin interface has been set to “BOTH” or “ON” on the “VTR FUNCTION” SUB menu page of the MAIN menu screen 2 of 4. See “Selecting Functions” for a description of the various function settings.

## Starting Recording

- 1 Operate the external VTR and set it to recording paused status.
- 2 Press the VTR START button of the unit or the VTR button of the lens. The internal and external VTRs start recording simultaneously. Pressing the button again sets both VTRs to the recording paused status.

## If One VTR Comes to the End of its Tape During Recording

Even if one VTR comes to the end of its tape and stops, the other VTR continues recording operation.

### Returning the VTRs to simultaneous recording status

- If the internal VTR came to the end of its tape, replace the cassette and press the VTR START button of the unit or the VTR button of the lens. The external VTR continues recording operation during this time.
- If the external VTR came to the end of its tape, replace the cassette and operate the external VTR to restart recording. The internal VTR continues recording operation during this time.

### <Note>

Care should be taken as the internal VTR will assume recording paused status if the VTR START button of the unit or the VTR button of the lens is pressed after replacing the external VTR's cassette.

# Recording Simultaneously with the Internal VTR and an External VTR

---

## Functions of the Unit's VTR SAVE/STBY Switch

### **Tape running mode**

Pressing the unit's STOP, REW or FF buttons sets the internal VTR to stop, rewind or fast forward modes, respectively. However, the external VTR is set to recording paused status in all cases.

### **Viewing playback images on the viewfinder**

Pressing the PLAY/PAUSE button allows black-and-white images from the tape of the internal VTR to be viewed on the viewfinder screen.

To view return images of an external VTR on the viewfinder screen, set RET SW on the "REC (ASPECT)/RET" SUB menu page to "CAM RET", and press the RET button on the lens.

# Recording With an External VTR Instead of the Internal VTR

## Using the 26-pin/12-pin Output Adaptor

### Connections

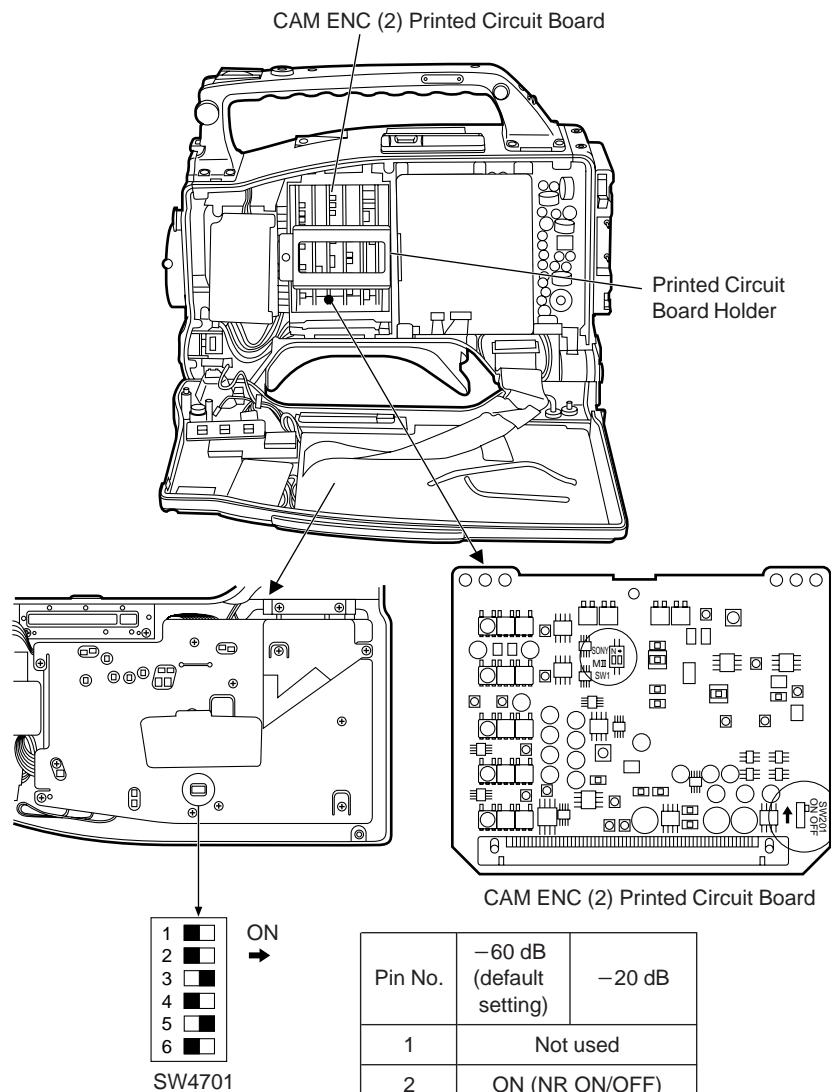
The method of connecting the external VTR is the same as that described in "Recording Simultaneously with the Internal VTR and an External VTR".

• See "Connections" on page 101.

### Mounting the 26-pin/12-pin output adaptor

• Consult your local dealer when mounting the adaptor.

- 1** Set the unit's internal switches.
  - 1** Remove the side panel on the display window side.
  - 2** Remove the printed circuit board holder, and take out the CAM ENC (2) printed circuit board.
  - 3** Set SW201 to the ON side.
  - 4** Take out the CAM SYNC (3) printed circuit board.
  - 5** Set SW1 (26PIN) to the ON side.
  - 6** To set the audio level to  $-20$  dB, set the SW4701 DIP switch accordingly.

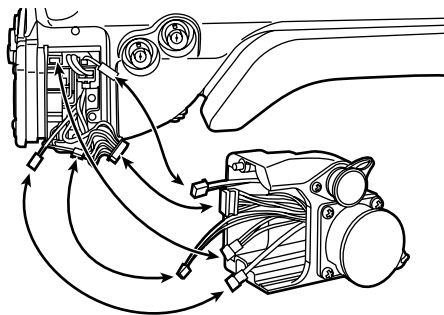




# Recording With an External VTR Instead of the Internal VTR

---

- 2** Mount the 26-pin/12-pin output adaptor.



## Controlling the external VTR with the unit's switches

Setting the 26P CONTROL function as indicated below on the "VTR FUNCTION" SUB menu page of the MAIN menu screen 2 of 4 prevents the internal VTR from being operated and enables only the external VTR to be controlled by the VTR START button on the unit or by the VTR button on the lens.

- 26P CONTROL: ON
- See "Selecting Functions" (page 69) for a description of the VTR FUNCTION page operations.

## Switching from the internal VTR to the external VTR

If the internal VTR should develop a problem (such as an entangled tape or condensation) during operation and it can no longer be operated, the VTR START button on the unit and the VTR button on the lens will cease to function.

In these cases, it will be possible to operate the external VTR in place of the internal VTR using the VTR START button on the unit and the VTR button on the lens if the 26P CONTROL function on the VTR FUNCTION page is set as indicated above.

## Starting recording

Operate the external VTR to set it to recording paused status and press the VTR START button of the unit or the VTR button of the lens. The external VTR starts recording. Pressing the button again sets the VTR to the recording paused status.

## Output level of the 26-pin/12-pin output adaptor

The output level factory settings are  $-60$  dBu/balanced for audio and SONY level for component video. When the built-in SW4701 switch is set, the audio output level can be changed to  $-20$  dBu/unbalanced, and when both 1 and 2 of SW1 are set to ON, the component video output level can be changed to the MII level. (See previous page)

# RET Button

The images recorded on the VTR or the return video signals which have been supplied to the GENLOCK IN/(VIDEO IN) connector can be viewed on the viewfinder screen either when the RET (return) button is pressed or while it is held down.

What appears on the viewfinder screen differs as shown in the table below depending on the RET SW setting selected on the "REC (ASPECT)/RET" SUB menu page of MAIN menu page 3 of 4 and on the VTR status.

## ■ Lens RET button functions

RET switch setting	Internal VTR mode	Description of what appears on viewfinder screen
REC CHECK	Recording	Images shot by camera. RET button does not function.
	Recording paused	What has been recorded (2-second rec review) can be checked.
	Playing	Internal VTR's playback images. RET button does not function.
	Playback paused	Search operation for successive shooting.
CAM RET	Recording	Return video signal which has been supplied to GENLOCK IN/(VIDEO IN) connector.
	Recording paused	Return video signal which has been supplied to GENLOCK IN/(VIDEO IN) connector.
	Playing	Picture played back by internal VTR (RET button does not function).
	Playback paused	Still picture played back by internal VTR.
MARK*	Recording	Switch functions as the MARK switch for the Picture Link function.
	Recording paused	Switch functions as the MARK switch for the Picture Link function.
	Playing	Picture played back by internal VTR (RET button does not function).
	Playback paused	Still picture played back by internal VTR (RET button does not function).

\*This is displayed when the Picture Link adaptor board (AJ-YAP900, optional accessory) has been installed.

When the RET SW has been set to the REC CHECK mode and this board has been installed, this switch will operate as the TAKE function for the Picture Link operation while recording is in progress.

## Replacing the Backup Battery

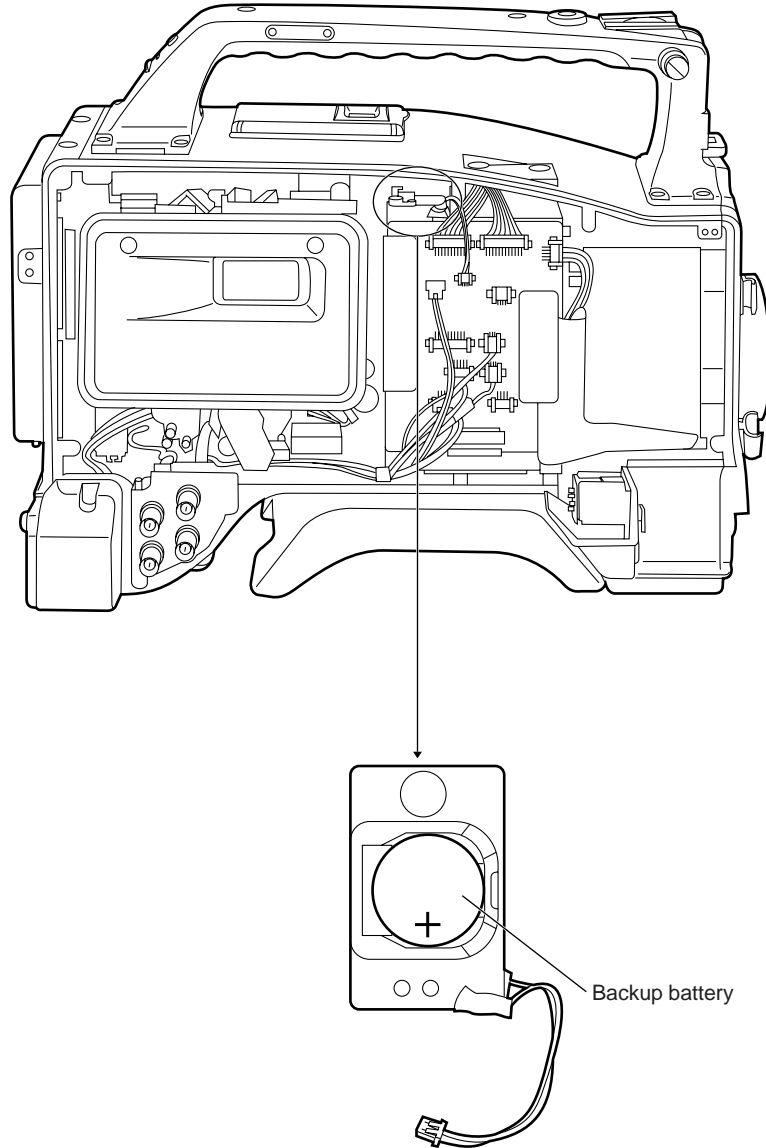
---

The unit is shipped from the factory with a backup battery already mounted. When the battery runs out, the TCG time code value indicates 00:00:00:00.

At this time, the time code value cannot be backed up.

In addition, the “BACK UP BATT EMPTY” display appears in the viewfinder for 3 seconds when the POWER switch is set to ON to indicate that the battery must be replaced.

Consult your dealer when replacing the battery.



## Setting Menu Screens (MAIN menu)

The MAIN menu consists of menus on four menu screens, 1 of 4 to 4 of 4.

Each of these screens is a page screen for opening the sub menus.

To open a SUB menu screen, press the SHIFT/ITEM button to select the SUB menu, and then press the UP or DOWN button. Press the PAGE button to return from a SUB screen to the MAIN menu screen.

### MAIN menu screen 1 of 4

This screen displays the sub menu items on MAIN menu 1 of 4.

```
→*****MAIN MENU1/4*****  
ROP  
MATRIX  
LOW SETTING  
MID SETTING  
HIGH SETTING  
ADDITIONAL DTL  
SKIN TONE DTL  
KNEE/LEVEL  
FLARE/GAMMA  
CAMERA SETTING
```

SUB menu item	VF display	Remarks
ROP	USER ENG	Index for opening the “ROP” SUB menu.
MATRIX	USER ENG	Index for opening the “MATRIX” SUB menu.
LOW SETTING	USER ENG	Index for opening the “LOW SETTING” SUB menu.
MID SETTING	USER ENG	Index for opening the “MID SETTING” SUB menu.
HIGH SETTING	USER ENG	Index for opening the “HIGH SETTING” SUB menu.
ADDITIONAL DTL	USER ENG	Index for opening the “ADDITIONAL DTL” SUB menu.
SKIN TONE DTL	USER ENG	Index for opening the “SKIN TONE DTL” SUB menu.
KNEE/LEVEL	USER ENG	Index for opening the “KNEE/LEVEL” SUB menu.
FLARE/GAMMA	USER ENG	Index for opening the “FLARE/GAMMA” SUB menu.
CAMERA SETTING	USER ENG	Index for opening the “CAMERA SETTING” SUB menu.

## Setting Menu Screens (MAIN menu)

### MAIN menu screen 2 of 4

This screen displays the sub menu items on MAIN menu 2 of 4.

```
→*****MAIN MENU2/4*****  
VF DISPLAY  
VF INDICATOR  
CAMERA ID  
SHUTTER SPEED  
SYNCHRO SCAN  
!LED  
CAMERA SW MODE  
SUPER GAIN  
VTR FUNCTION  
BATT/TAPE ALARM
```

SUB menu item	VF display	Remarks
VF DISPLAY	USER ENG	Index for opening the “VF DISPLAY” SUB menu.
VF INDICATOR	USER ENG	Index for opening the “VF INDICATOR” SUB menu.
CAMERA ID	USER ENG	Index for opening the “CAMERA ID” SUB menu.
SHUTTER SPEED	USER ENG	Index for opening the “SHUTTER SPEED” SUB menu.
SYNCHRO SCAN	USER ENG	Index for opening the “SYNCHRO SCAN” SUB menu.
!LED	USER ENG	Index for opening the “!LED” SUB menu.
CAMERA SW MODE	USER ENG	Index for opening the “CAMERA SW MODE” SUB menu.
SUPER GAIN	USER ENG	Index for opening the “SUPER GAIN” SUB menu.
VTR FUNCTION	USER ENG	Index for opening the “VTR FUNCTION” SUB menu.
BATT/TAPE ALARM	USER ENG	Index for opening the “BATT/TAPE ALARM” SUB menu.

## Setting Menu Screens (MAIN menu)

### MAIN menu screen 3 of 4

This screen displays the sub menu items on MAIN menu 3 of 4.

```
→*****MAIN MENU3/4*****  
CARD READ/WRITE  
CARD R/W SELECT  
REC(ASPECT)/RET  
MIC/AUDIO  
GENLOCK/IRIS  
VIDEO OUT  
TIME/DATE  
LENS SEL/ADJ
```

SUB menu item	VF display	Remarks
CARD READ/ WRITE	USER ENG	Index for opening the “CARD READ/WRITE” SUB menu.
CARD R/W SELECT	USER ENG	Index for opening the “CARD R/W SELECT” SUB menu.
REC (ASPECT)/ RET	USER ENG	Index for opening the “REC (ASPECT)/RET” SUB menu.
MIC/ AUDIO	USER ENG	Index for opening the “MIC/AUDIO” SUB menu.
GENLOCK/IRIS	USER ENG	Index for opening the “GENLOCK/IRIS” SUB menu.
VIDEO OUT	USER ENG	Index for opening the “VIDEO OUT” menu.
TIME/DATE	USER ENG	Index for opening the “TIME/DATE” SUB menu.
LENS SEL/ADJ	USER ENG	Index for opening the “LENS SEL/ADJ” SUB menu.

## Setting Menu Screens (MAIN menu)

### MAIN menu screen 4 of 4

This screen displays the sub menu items on MAIN menu 4 of 4.

→\*\*\*\*\*MAIN MENU4 / 4\*\*\*\*\*

USER MENU SEL 1 / 3  
USER MENU SEL 2 / 3  
USER MENU SEL 3 / 3  
AUTO SHADING  
EVALUATION  
INITIALIZE  
DIAGNOSTIC

SUB menu	VF display	Remarks
USER MENU SEL 1/3	USER ENG	Index for opening the “USER MENU SEL 1 of 3” SUB menu.
USER MENU SEL 2/3	USER ENG	Index for opening the “USER MENU SEL 2 of 3” SUB menu.
USER MENU SEL 3/3	USER ENG	Index for opening the “USER MENU SEL 3 of 3” SUB menu.
AUTO SHADING	USER ENG	Index for opening the “AUTO SHADING” SUB menu.
EVALUATION	USER ENG	Index for opening the “EVALUATION” SUB menu.
INITIALIZE	USER ENG	Index for opening the “INITIALIZE” menu.
DIAGNOSTIC	USER ENG	Index for opening the “DIAGNOSTIC” SUB menu.

**<Note>**

It is not possible to open the MAIN menu screen 4 of 4 using the user menu.  
To open this screen, establish the engineer mode.

# MAIN Menu Screen 1 of 4 (SUB menus)

## ROP screen

The ROP (remote operation panel) settings are performed on this screen.

<div> →&lt; ROP &gt; <div> MASTER PED : +000  MASTER DTL : +00  MASTER GAMMA: 0.45  R GAIN : +000  B GAIN : +000  R PEDESTAL : +000  G PEDESTAL : +000  B PEDESTAL : +000 </div> </div>			
Item	Variable range	VF display	Remarks
MASTER PED	−100 ⋮ <u>±0</u> ⋮ +100 (max.)	USER ENG	For setting the master pedestal level.
MASTER DTL	−15 ⋮ <u>±0</u> ⋮ +15	USER ENG	This sets the H.DTL/V.DTL level.
MASTER GAMMA	0.35 ⋮ <u>0.45</u> ⋮ 0.75	USER ENG	This sets the master gamma (in 0.01 increments). Different settings for LOW, MID and HIGH can be stored in the memory.
R GAIN	−100 ⋮ <u>±0</u> ⋮ +100 (max.)	USER ENG	This sets the R channel gain.
B GAIN	−100 ⋮ <u>±0</u> ⋮ +100 (max.)	USER ENG	This sets the B channel gain.
R PEDESTAL	−100 ⋮ <u>±0</u> ⋮ +100 (max.)	USER ENG	This sets the R channel pedestal level.
G PEDESTAL	−100 ⋮ <u>±0</u> ⋮ +100 (max.)	USER ENG	This sets the G channel pedestal level.
B REDESTAL	−100 ⋮ <u>±0</u> ⋮ +100 (max.)	USER ENG	This sets the B channel pedestal level.

## Menu screen display methods

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.



# MAIN Menu Screen 1 of 4 (SUB menus)

## MATRIX screen

The camera's matrix settings are performed on this screen.

→< MATRIX >		
■	MATRIX TABLE	: A
	MATRIX R-G	: +11
	MATRIX R-B	: +08
	MATRIX G-R	: +04
	MATRIX G-B	: +13
	MATRIX B-R	: +08
	MATRIX B-G	: +02

■ indicates an ON/OFF setting.

Item	Variable range	VF display	Remarks
MATRIX TABLE	<u>A</u> B	ENG	This selects the color adjustment table.
MATRIX R-G	-31 ⋮ <u>+11</u> ⋮ +31	ENG	This adjusts the color.
MATRIX R-B	-31 ⋮ <u>+8</u> ⋮ +31	ENG	This adjusts the color.
MATRIX G-R	-31 ⋮ <u>+4</u> ⋮ +31	ENG	This adjusts the color.
MATRIX G-B	-31 ⋮ <u>+13</u> ⋮ +31	ENG	This adjusts the color.
MATRIX B-R	-31 ⋮ <u>+8</u> ⋮ +31	ENG	This adjusts the color.
MATRIX B-G	-31 ⋮ <u>+2</u> ⋮ +31	ENG	This adjusts the color.

### <Note>

The white balance and black balance remain unchanged even when the MATRIX item settings are changed.

The underlining in the variable range column indicates the setting in the preset mode.

### <Note>

Two tables, A and B, can be stored for MATRIX TABLE.

"00" is the setting for all the MATRIX TABLE B items in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 1 of 4 (SUB menus)

## LOW SETTING screen

The low level gain settings are performed on this screen.

->< LOW SETTING >	
■MASTER GAIN	: 0 dB
H.DTL LEVEL	: 10
V.DTL LEVEL	: 10
DTL CORING	: 03
H.DTL FREQ.	: 03
DARK DTL	: 00
LEVEL DEPEND.	: 00
MASTER GAMMA	: 0.45
■BLACK STRETCH	: OFF
■MATRIX TABLE	: A

■ indicates an ON/OFF setting.

Item	Variable range	VF display	Remarks
MASTER GAIN	-3 dB : 0 dB : 30 dB	ENG	This sets the gain to -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 or 30 dB.
H.DTL LEVEL	0 : <u>10</u> : 31	ENG	This sets the H.DTL (detail) level.
V.DTL LEVEL	0 : <u>10</u> : 31	ENG	This sets the V.DTL (detail) level.
DTL CORING	0 : <u>3</u> : 15	ENG	This sets the DTL coring.
H.DTL FREQ.	1 : <u>3</u> : 5	ENG	This selects the H.DTL frequency. 1: 2.5 MHz      4: 4 MHz 2: 3 MHz        5: 4.5 MHz 3: 3.5 MHz
DARK DTL	0 : <u>5</u>	ENG	This sets the dark detail. This boosts the detail of the black areas.
LEVEL DEPEND.	0 : <u>15</u>	ENG	This sets LEVEL DEPEND. This eliminates the detail only in the dark areas when the Y detail is boosted. The higher the number selected, the wider the range across which the detail is eliminated.
MASTER GAMMA	0.35 : <u>0.45</u> : 0.75	ENG	This sets the master gamma in 0.01 increments.
BLACK STRETCH	ON <u>OFF</u>	ENG	This selects ON or OFF for the mode in which low-illumination blackouts are compensated for.
MATRIX TABLE	A B <u>OFF</u>	ENG	This selects the color compensation matrix table.

### <Note>

DARK DTL and LEVEL DEPEND serve opposite purposes: LEVEL DEPEND is automatically set to 0 when DARK DTL is set to a value other than 0 and, conversely, DARK DTL is automatically set to 0 when LEVEL DEPEND is set to a value other than 0.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 1 of 4 (SUB menus)

## MID SETTING screen

The middle level gain settings are performed on this screen.

→< MID SETTING >	
■MASTER GAIN	: 9 dB
H.DTL LEVEL	: 10
V.DTL LEVEL	: 10
DTL CORING	: 06
H.DTL FREQ.	: 03
DARK DTL	: 00
LEVEL DEPEND.	: 03
MASTER GAMMA	: 0.45
■BLACK STRETCH	: OFF
■MATRIX TABLE	: A

■ indicates an ON/OFF setting.

Item	Variable range	VF display	Remarks
MASTER GAIN	-3 dB : 9 dB : 30 dB	ENG	This sets the gain to -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 or 30 dB.
H.DTL LEVEL	0 : <u>10</u> : 31	ENG	This sets the H.DTL (detail) level.
V.DTL LEVEL	0 : <u>10</u> : 31	ENG	This sets the V.DTL (detail) level.
DTL CORING	0 : <u>6</u> : 15	ENG	This sets the DTL coring.
H.DTL FREQ.	1 : <u>3</u> : 5	ENG	This selects the H.DTL frequency. 1: 2.5 MHz      4: 4 MHz 2: 3 MHz        5: 4.5 MHz 3: 3.5 MHz
DARK DTL	0 : <u>5</u>	ENG	This sets the dark detail. This boosts the detail of the black areas.
LEVEL DEPEND.	0 : <u>3</u> : 15	ENG	This sets LEVEL DEPEND. This eliminates the detail only in the dark areas when the Y detail is boosted. The higher the number selected, the wider the range across which the detail is eliminated.
MASTER GAMMA	0.35 : <u>0.45</u> : 0.75	ENG	This sets the master gamma in 0.01 increments.
BLACK STRETCH	ON <u>OFF</u>	ENG	This selects ON or OFF for the mode in which low-illumination blackouts are compensated for.
MATRIX TABLE	<u>A</u> B OFF	ENG	This selects the color compensation matrix table.

### <Note>

DARK DTL and LEVEL DEPEND serve opposite purposes: LEVEL DEPEND is automatically set to 0 when DARK DTL is set to a value other than 0 and, conversely, DARK DTL is automatically set to 0 when LEVEL DEPEND is set to a value other than 0.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 1 of 4 (SUB menus)

## HIGH SETTING screen

The high level gain settings are performed on this screen.

->< HIGH SETTING >	
■MASTER GAIN	: 18 dB
H.DTL LEVEL	: 10
V.DTL LEVEL	: 10
DTL CORING	: 10
H.DTL FREQ.	: 03
DARK DTL	: 00
LEVEL DEPEND.	: 08
MASTER GAMMA	: 0.45
■BLACK STRETCH	: OFF
■MATRIX TABLE	: A

■ indicates an ON/OFF setting.

Item	Variable range	VF display	Remarks
MASTER GAIN	-3 dB : 18 dB : 30 dB	ENG	This sets the gain to -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 or 30 dB.
H.DTL LEVEL	0 : 10 : 31	ENG	This sets the H.DTL (detail) level.
V.DTL LEVEL	0 : 10 : 31	ENG	This sets the V.DTL (detail) level.
DTL CORING	0 : 10 : 15	ENG	This sets the DTL coring.
H.DTL FREQ.	1 : 3 : 5	ENG	This selects the H.DTL frequency. 1: 2.5 MHz      4: 4 MHz 2: 3 MHz        5: 4.5 MHz 3: 3.5 MHz
DARK DTL	0 : 5	ENG	This sets the dark detail. This boosts the detail of the black areas.
LEVEL DEPEND.	0 : 8 : 15	ENG	This sets LEVEL DEPEND. This eliminates the detail only in the dark areas when the Y detail is boosted. The higher the number selected, the wider the range across which the detail is eliminated.
MASTER GAMMA	0.35 : 0.45 : 0.75	ENG	This sets the master gamma in 0.01 increments.
BLACK STRETCH	ON OFF	ENG	This selects ON or OFF for the mode in which low-illumination blackouts are compensated for.
MATRIX TABLE	A B OFF	ENG	This selects the color compensation matrix table.

### <Note>

DARK DTL and LEVEL DEPEND serve opposite purposes: LEVEL DEPEND is automatically set to 0 when DARK DTL is set to a value other than 0 and, conversely, DARK DTL is automatically set to 0 when LEVEL DEPEND is set to a value other than 0.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 1 of 4 (SUB menus)

## ADDITIONAL DTL screen

The special detail settings of the camera are performed on this screen.

->< ADDITIONAL DTL >	
■ C DTL COMPE.	: OFF
CHROMA DTL	: 0
■ KNEE APERTURE	: ON
■ SLIM DTL	: OFF
■ CORNER DTL	: ON
DTL GAIN(+)	: +00
DTL GAIN(-)	: +16
DTL CLIP	: 00
H.DTL LINE MIX	: 1H

■ indicates an ON/OFF setting.

Item	Variable range	VF display	Remarks
C DTL COMPE.	ON <u>OFF</u>	ENG	This selects ON or OFF for the chroma DTL.
CHROMA DTL	<u>0</u> -2	ENG	This sets the chroma DTL. This detects the chroma edge and superimposing it onto Y to boost the H detail. The higher the number selected, the greater the level of compensation provided.
KNEE APERTURE	<u>ON</u> OFF	ENG	This selects ON or OFF for the knee aperture. This boosts the detail above the knee point.
SLIM DTL	ON <u>OFF</u>	ENG	This selects ON or OFF for mode in which the detail is made finer.
CORNER DTL	<u>ON</u> OFF	ENG	This selects ON or OFF for mode which increases the resolution at the edges of the screen.
DTL GAIN (+)	-31 ⋮ <u>+0</u> ⋮ +31	ENG	This changes the H detail level in the "+" direction.
DTL GAIN (-)	-31 ⋮ <u>+16</u> ⋮ +31	ENG	This changes the H detail level in the "-" (downward) direction.
DTL CLIP	<u>0</u> ⋮ 31	ENG	This changes the clipping of the detail signals in the "+" direction.
H.DTL LINE MIX	0H <u>1H</u> 2H	ENG	This sets the addition of the scanning lines for generating H detail signals.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 1 of 4 (SUB menus)

## SKIN TONE DTL screen

The camera's skin tone detail settings are performed on this screen.

->< SKIN TONE DTL >	
■SKIN TONE DTL	:OFF
SKIN TONE HUE	:103
SKIN TONE LEVEL	:25
SKIN TONE WIDTH	:15
SKIN TONE CORING	:05
■SKIN TONE ZEBRA	:OFF

■ indicates an ON/OFF setting.

### <Note>

All the displays except the change data are cleared while the hue, level, width and coring data of the skin tone is being changed.

The underlining in the variable range column indicates the setting in the preset mode.

Item	Variable range	VF display	Remarks
SKIN TONE DTL	ON <u>OFF</u>	ENG	This selects ON or OFF for the skin tone detail.
SKIN TONE HUE	<u>103</u> : 143	ENG	This sets the skin tone hue (for setting the phase of the skin tone detection range). The hue is changed in the phase direction.
SKIN TONE LEVEL	1 : <u>25</u> : 50	ENG	This sets the skin tone level (for setting the intensity of the colors in the skin tone detection range). The level is changed in the amplitude direction.
SKIN TONE WIDTH	1 : <u>15</u> : 30	ENG	This sets the skin tone width This sets the range of colors to be treated as the skin tone from among the colors set by SKIN TONE HUE and LEVEL. The higher the number selected, the wider the skin tone range.
SKIN TONE CORING	1 : <u>5</u>	ENG	This sets the skin tone coring. The amount of detail in the skin tone range is changed.
SKIN TONE ZEBRA	ON <u>OFF</u>	ENG	This selects ON or OFF for ZEBRA in the skin tone range. This changes the coring in the range across which ZEBRA can be seen.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 1 of 4 (SUB menus)

## KNEE/LEVEL screen

The knee level settings of the camera are performed on this screen.

→< KNEE / LEVEL >	
M. PED	: +000
■ SETUP25	: 7.5%A
■ MANUAL KNEE	: ON
KNEE POINT	: 85
KNEE SLOPE	: 16
■ WHITE CLIP	: ON
WHITE CLIP LVL	: 105%
AUTO KNEE POINT	: 085
AUTO KNEE LVL	: 105

■ indicates an ON/OFF setting.

Item	Variable range	VF display	Remarks
M.PED	-100 : +000 : +100	ENG	This sets the master pedestal level.
SET UP 25	0% 7.5% <u>7.5%A</u>	ENG	This selects the setup level. <b>0%:</b> 0% setup for both the camera output and tape. <b>7.5%:</b> 7.5% setup for both the camera output and tape. <b>7.5%A:</b> 7.5% setup for the camera output; 0% setup for the tape. *When the setup level is changed to 7.5%A, the chroma level and burst level on the CAM ENC circuit board must be re-adjusted.
MANUAL KNEE	ON OFF	ENG	This sets the mode to be established when the AUTO KNEE switch is set to OFF.
KNEE POINT	75 : <u>85</u> : 102	ENG	This sets the manual knee point position.
KNEE SLOPE	0 : <u>16</u> : 25	ENG	This sets the manual knee slope.
WHITE CLIP	ON OFF	ENG	This selects ON or OFF for the white clip.
WHITE CLIP LVL	90% : <u>105%</u> : 110%	ENG	This sets the white clip level.
AUTO KNEE POINT	75 : <u>85</u> : 100	ENG	This sets the automatic knee point position.
AUTO KNEE LVL	100 : <u>105</u> : 110	ENG	This sets the maximum level of the automatic knee.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 1 of 4 (SUB menus)

## FLARE/GAMMA screen

The flare and gamma settings of the camera are performed on this screen.

->< FLARE / GAMMA >	
R FLARE	: 000
G FLARE	: 000
B FLARE	: 000
R GAMMA	: +00
B GAMMA	: +00

Item	Variable range	VF display	Remarks
R FLARE	0 ⋮ 100	ENG	This sets the R channel flare. The preset value differs depending on the camera.
G FLARE	0 ⋮ 100	ENG	This sets the G channel flare. The preset value differs depending on the camera.
B FLARE	0 ⋮ 100	ENG	This sets the B channel flare. The preset value differs depending on the camera.
R GAMMA	-15 ⋮ <u>+0</u> ⋮ +15	ENG	This sets the correction value for the R channel gamma in respect of the master gamma level.
B GAMMA	-15 ⋮ <u>+0</u> ⋮ +15	ENG	This sets the correction value for the B channel gamma in respect of the master gamma level.

## CAMERA SETTING screen

The basic settings of the camera are performed on this screen. Before each screen item is an asterisk ("\*") or dot (".") which respectively indicates whether the setting is ON or OFF.

->< CAMERA / SETTING >	
*DETAIL	
·2D LPF	
*SUPER COLOR	
*GAMMA	
·TEST SAW	
*FLARE	
*H-F COMPE	
*NEGATIVE DTL	

\*: ON  
.: OFF

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

Item	Variable range	VF display	Remarks
DETAIL	<u>ON</u> OFF	ENG	This selects ON or OFF for the H and V detail. (The ON or OFF setting applies to both the H and V detail.)
2D LPF	<u>ON</u> <u>OFF</u>	ENG	This selects ON or OFF for the 2-dimensional low-pass filter, which reduces cross-color.
SUPER COLOR	<u>ON</u> OFF	ENG	This selects ON or OFF for the mode in which the dynamic range of the color is to be expanded. The item is used to boost the color above the knee point.
GAMMA	<u>ON</u> OFF	ENG	This selects ON or OFF for the gamma correction.
TEST SAW	<u>ON</u> <u>OFF</u>	ENG	This selects ON or OFF for the test signal.
FLARE	<u>ON</u> OFF	ENG	This selects ON or OFF for the flare compensation.
H-F COMPE.	<u>ON</u> OFF	ENG	This selects ON or OFF for the mode in which the high-frequency detail is enhanced.
NEGATIVE DTL	<u>ON</u> OFF	ENG	This selects ON or OFF for the DTL signal from the setup level (7.5%) to the blanking level.



## MAIN Menu Screen 2 of 4 (SUB menus)

### VF DISPLAY screen

What information is to be displayed inside the viewfinder is set on this screen.

→< VF DISPLAY >	
DISP CONDITION:	NORMAL
DISP MODE	: 3
SAFETY ZONE	: 3
CENTER MARK	: ON
VF OUT	: Y
VF DTL	: 2
ZEBRA1 DETECT	: 070%
ZEBRA2 DETECT	: 085%
ZEBRA2	: SPOT
LOW LIGHT LVL	: 45%

Item	Variable range	VF display	Remarks																																			
DISP CONDITION	<u>N</u> ORMAL SPECIAL	USER ENG	<b>NORMAL:</b> The statuses are displayed at all times. <b>SPECIAL:</b> The statuses are displayed only when the MODE CHECK switch is at ON.																																			
DISP MODE	1- <u>3</u>	USER ENG	<table border="1"> <thead> <tr> <th rowspan="2">Change</th><th colspan="3">Display</th></tr> <tr> <th>1</th><th>2</th><th>3</th></tr> </thead> <tbody> <tr> <td>FILTER</td><td>×</td><td>×</td><td>○</td></tr> <tr> <td>GAIN</td><td>×</td><td>×</td><td>○</td></tr> <tr> <td>AWB</td><td>×</td><td>×</td><td>○</td></tr> <tr> <td>AUTO KNEE SW</td><td>×</td><td>○</td><td>○</td></tr> <tr> <td>SHUTTER</td><td>×</td><td>○</td><td>○</td></tr> <tr> <td>ABB STATUS</td><td>×</td><td>○</td><td>○</td></tr> <tr> <td>AWB STATUS</td><td>×</td><td>○</td><td>○</td></tr> </tbody> </table>	Change	Display			1	2	3	FILTER	×	×	○	GAIN	×	×	○	AWB	×	×	○	AUTO KNEE SW	×	○	○	SHUTTER	×	○	○	ABB STATUS	×	○	○	AWB STATUS	×	○	○
Change	Display																																					
	1	2	3																																			
FILTER	×	×	○																																			
GAIN	×	×	○																																			
AWB	×	×	○																																			
AUTO KNEE SW	×	○	○																																			
SHUTTER	×	○	○																																			
ABB STATUS	×	○	○																																			
AWB STATUS	×	○	○																																			
SAFETY ZONE	OFF- <u>3</u> -9	USER ENG	<p>This selects ON or OFF for the safety zone selection display.</p> <p><b>1:</b> 80%, 90% corner display  <b>2:</b> 80% corner display  <b>3:</b> 90% corner display  <b>4:</b> 80%, 90% box display  <b>5:</b> 80% box display  <b>6:</b> 90% box display  <b>7:</b> With a 16:9 aspect ratio, a 4:3 picture frame and 90% of 4:3 are displayed. With a 4:3 aspect ratio, a 16:9 picture frame and 90% of 16:9 are displayed.  <b>8:</b> With a 16:9 aspect ratio, a 4:3 picture frame and 80% of 4:3 are displayed. With a 4:3 aspect ratio, a 16:9 picture frame and 80% of 16:9 are displayed.  <b>9:</b> With a 16:9 aspect ratio, a 4:3 picture frame (100%) is displayed. With a 4:3 aspect ratio, a 16:9 picture frame (100%) is displayed.</p>																																			
CENTER MARK	<u>O</u> N OFF	USER ENG	This selects ON or OFF for the center mark display.																																			
VF OUT	<u>Y</u> NAM R G B	USER ENG	<p>This selects the VF output.</p> <p>NAM (N Additive Mix)  The signals with the highest level among the R, G and B signals are output.</p>																																			
VF DTL	0 : <u>2</u> : 4	USER ENG	<p>This selects the VF detail.</p> <p>The detail of the VF signals is further boosted. At the "0" setting, the detail is the same as for the main-line signals.</p>																																			

## MAIN Menu Screen 2 of 4 (SUB menus)

```

->< VF DISPLAY >
DISP CONDITION: NORMAL
DISP MODE      : 3
SAFETY ZONE     : 3
CENTER MARK    : ON
VF OUT         : Y
VF DTL         : 2
ZEBRA1 DETECT  : 070%
ZEBRA2 DETECT  : 085%
ZEBRA2         : SPOT
LOW LIGHT LVL  : 45%

```

Item	Variable range	VF display	Remarks
ZEBRA1 DETECT	50% : <u>70%</u> : 110%	USER ENG	This sets the ZEBRA1 detection level (IRE value).
ZEBRA2 DETECT	50% : <u>85%</u> : 110%	USER ENG	This sets the ZEBRA2 detection level (IRE value).
ZEBRA2	ON OFF <u>SPOT</u>	USER ENG	This selects ON or OFF for ZEBRA2 and for setting SPOT. *The ZEBRA2 DETECT level should be set higher than the ZEBRA1 detect level when the SPOT setting is to be used. If it is set lower, ZEBRA will not be displayed.
LOW LIGHT LVL	OFF 20% 25% 30% : 40% <u>45%</u>	USER ENG	This selects the setting at which LOW LIGHT is to be displayed when the quantity of light entering the camera is too low.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 2 of 4 (SUB menus)

### VF INDICATOR screen

What information is to be displayed inside the viewfinder is set on this screen.

->< VF INDICATOR >				
EXTENDER	: ON			
SHUTTER	: ON			
TAPE	: ON			
BATTERY	: ON			
FILTER	: ON			
WHITE	: ON			
GAIN	: ON			
LEVEL METER	: CH1			
IRIS	: S+IRIS			
CAMERA ID	: ON			

Item	Variable range	VF display	Remarks
EXTENDER	<u>ON</u> OFF	USER ENG	This selects ON or OFF for the extender display.
SHUTTER	<u>ON</u> OFF	USER ENG	This selects ON or OFF for the shutter speed display.
TAPE	<u>ON</u> OFF	USER ENG	This selects ON or OFF for the remaining tape length display.
BATTERY	<u>ON</u> OFF	USER ENG	This selects ON or OFF for the battery voltage display.
FILTER	<u>ON</u> OFF	USER ENG	This selects ON or OFF for the filter No. display.
WHITE	<u>ON</u> OFF	USER ENG	This selects ON or OFF for the AWB PRE/A/B display.
GAIN	<u>ON</u> OFF	USER ENG	This selects ON or OFF for the currently selected gain display.
LEVEL METER	CH1 CH1·CH2 OFF	USER ENG	This selects the audio level meter display. <b>CH1:</b> The CH1 signal level only is displayed. <b>CH1/CH2:</b> Both the CH1 and CH2 signal levels are displayed. <b>OFF:</b> No display.
IRIS	IRIS <u>S+IRIS</u> S OFF	USER ENG	<b>IRIS:</b> Only the f-number is displayed. <b>S+IRIS:</b> Both the super iris ON status and f-number are displayed. <b>S:</b> Only the super iris ON status is displayed. <b>OFF:</b> Neither the super iris ON status nor f-number is displayed.
CAMERA ID	<u>ON</u> OFF	USER ENG	This selects ON or OFF for mixing the ID during color bar recording.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 2 of 4 (SUB menus)

### CAMERA ID screen

The camera ID settings are performed on this screen. Each time the UP button is pressed, the character display changes in the following order: space (□)→english letters (A to Z)→numbers (0 to 9)→symbols (space, >, <, ), (, ', ,,, --, \_, ~, /, !). Pressing the DOWN button changes the character display in the reverse order.

→< CAMERA ID >

ID:\*\*\*\*\*

Item	Variable range	VF display	Remarks
ID:*****	—	USER ENG	This is for inputting the camera ID.

<Note>

Whether this setting is to be mixed is selected by setting “CAMERA ID” on the VF DISPLAY screen to ON or OFF.

### SHUTTER SPEED screen

The shutter speed settings are performed on this screen.

Before each screen item is an asterisk (“\*”) or dot (“.”) which respectively indicates whether the setting is ON or OFF.

→< SHUTTER SPEED >

\* SYNCHRO SCAN  
· SUPER V  
\* 1 / 100  
\* 1 / 120  
\* 1 / 250  
\* 1 / 500  
\* 1 / 1000  
\* 1 / 2000

Item	Variable range	VF display	Remarks
SYNCHRO SCAN	<u>ON</u> OFF	ENG	This sets the synchro scan shutter speed.
SUPER V	ON <u>OFF</u>	ENG	This sets the super V mode (vertical high-resolution mode).
1/100	<u>ON</u> OFF	ENG	This selects ON or OFF for the shutter speed 1/100 setting.
1/120	<u>ON</u> OFF	ENG	This selects ON or OFF for the shutter speed 1/120 setting.
1/250	<u>ON</u> OFF	ENG	This selects ON or OFF for the shutter speed 1/250 setting.
1/500	<u>ON</u> OFF	ENG	This selects ON or OFF for the shutter speed 1/500 setting.
1/1000	<u>ON</u> OFF	ENG	This selects ON or OFF for the shutter speed 1/1000 setting.
1/2000	<u>ON</u> OFF	ENG	This selects ON or OFF for the shutter speed 1/2000 setting.

<Note>

The SUPER V mode setting is linked to the “CAMERA SW MODE” menu setting.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 2 of 4 (SUB menus)

### SYNCHRO SCAN screen

The synchro scan settings are performed on this screen.

→< SYNCHRO SCAN >
1 / 60 . 8

Item	Variable range	VF display	Remarks
SYNCHRO SCAN	<u>1/60.8</u> : 1/250	USER ENG	This selects the synchro shutter speed.

### ! LED screen

The ON/OFF settings for the ! LED displays inside the viewfinder are performed on this screen.

Before each screen item is an asterisk ("\*") or dot (".") which respectively indicates whether the setting is ON or OFF.

→< ! LED >
GAIN (0 dB) : ON
GAIN (−3 dB) : OFF
SHUTTER : ON
WHITE PRESET : OFF
EXTENDER : ON
FILTER : OFF
SUPER V : OFF

Item	Variable range	VF display	Remarks
GAIN (0 dB)	<u>ON</u> OFF	ENG	This selects whether the LED is to light up when the gain has a value other than 0 dB.
GAIN (−3 dB)	ON <u>OFF</u>	ENG	This selects whether the LED is to light up when the gain has a value other than −32 dB.
SHUTTER	<u>ON</u> OFF	ENG	This selects whether the LED is to light up when the shutter is ON.
WHITE PRESET	ON <u>OFF</u>	ENG	This selects whether the LED is to light up when the AWB CH is PRESET.
EXTENDER	<u>ON</u> OFF	ENG	This selects whether the LED is to light up when the lens is in the EXTENDER mode.
FILTER	ON <u>OFF</u>	ENG	This is for selecting whether the LED is to light at all times except when 3200K and CLEAR are used in combination for the filter.
SUPER V	ON <u>OFF</u>	ENG	This selects whether the LED is to light up when SUPER V is ON.

#### <Note>

The ! LED lights when both the GAIN (0 dB) and GAIN (−3 dB) items are set to ON unless the gain is set to −3 dB or 0 dB.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 2 of 4 (SUB menus)

### CAMERA SW MODE screen

The camera's switch modes are set on this screen.

→< CAMERA SW MODE >	
SUPER V	: FRM1
FILTER INH	: ON
SHOCKLESS AWB	: NORMAL
COLOR BAR	: SMPTE
S.GAIN OFF	: L/M/H
S.IRIS/S.BLK SW	: INH
S.BLK LVL	: -10
ECU DATA SAVE	: OFF

Item	Variable range	VF display	Remarks
SUPER V	<u>FRM1</u> FRM2	ENG	This selects ON or OFF for SUPER V. <b>FRM1:</b> Normal mode <b>FRM2:</b> Residual image reduction mode
FILTER INH	<u>ON</u> OFF	ENG	This switches whether the AWB memory (A and B channels) data is to be stored for each filter. <b>ON:</b> The data is stored in the A and B channel memories (2 memory units) only regardless of the filter. <b>OFF:</b> The data is stored for each filter. (4×2=8 memory units)
SHOCKLESS AWB	OFF <u>NORMAL</u> SLOW FAST	ENG	This selects ON (NORMAL/SLOW/FAST) or OFF for shockless AWB. "Shockless AWB" ensures that a shock will not result when the A, B or PRST setting of the WHITE BAL switch is changed. FAST (high speed), NORMAL (normal speed) or SLOW (low speed) can be set as the selection time. FAST (approx. 0.5 sec), NORMAL (approx. 1 sec), SLOW (approx. 3 sec)
COLOR BAR	<u>SMPTE</u> SNG	ENG	This selects the type of color bars. <b>SMPTE:</b> SMPTE color bars <b>SNG:</b> SNG (split) color bars
S.GAIN OFF	S.GAIN <u>L/M/H</u>	ENG	This selects the method used to release the super gain mode. <b>S.GAIN:</b> The mode is released by the super gain switch only. <b>L/M/H:</b> The mode is released by changing the L/M/H switch setting.
S.IRIS/ S.BLK SW	S.IRIS S.BLK <u>INH</u>	ENG	This allocates the function of the side panel switch. <b>S.IRIS:</b> The switch works as a super iris function. <b>S.BLK:</b> The switch works as a super black function.*1 <b>INH:</b> Both the super iris and super black functions are inhibited.
S.BLK LVL	-10 -20 -30	ENG	This sets the super black level.
ECU DATA SAVE	ON <u>OFF</u>	ENG	<b>ON:</b> When the ECU is detached from the camera recorder, the set values of the following items controlled by the ECU are stored in memory.*2 <b>OFF:</b> The set values are not stored in the memory.

\*1S.BLK is a function which enables the master pedestal to be set lower than the pedestal level. It is used when the black figures displayed on the screen have become lighter due to mist, etc.

*2MASTER PED	R PEDESTAL
MASTER DTL	G PEDESTAL
MASTER GAMMA	B PEDESTAL
R GAIN	SYNCHRO SCAN
B GAIN	

The underlining in the variable range column indicates the setting in the preset mode.

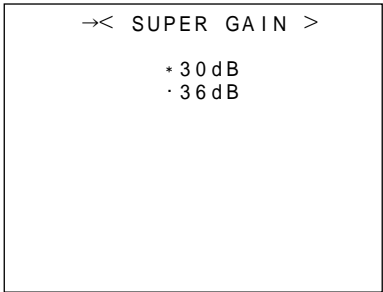
**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# MAIN Menu Screen 2 of 4 (SUB menus)

## SUPER GAIN screen

The super gain values to be allocated to the SUPER GAIN switch are set on this screen.



\*: ON  
·: OFF

Item	Variable range	VF display	Remarks
30 dB	<u>ON</u> OFF	ENG	This selects the gain when the SUPER GAIN switch is pressed.
36 dB	ON <u>OFF</u>	ENG	This selects the gain when the SUPER GAIN switch is pressed.

<Note>

- Each time the SUPER GAIN switch is pressed when all the super gain values have been allocated, the gain is switched by one level in the following sequence: 30 dB→36 dB→OFF→30 dB, etc.
- To use the unit, set the WHITE BAL switch to PRST (preset) and proceed with ABB (auto black balance).

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 2 of 4 (SUB menus)

### VTR FUNCTION screen

The VTR's functions are set on this screen.

->< VTR FUNCTION >	
HUMID OPE	: OFF
26P CONTROL	: OFF
REC START	: NORMAL
TC MODE	: DF
UB MODE	: USER
PAUSE TIMER	: 30
BATTERY SEL	: NiCd12
TCG VF DISP	: OFF
TCG SET HOLD	: OFF
FIRST REC TC	: REGEN

Item	Variable range	VF display	Remarks
HUMID OPE	ON <u>OFF</u>	ENG	This selects the VTR operation when condensation has formed. <b>ON:</b> Operation continues as usual. <b>OFF:</b> All operations are disabled except for the POWER switch and EJECT button.
26P CONTROL	<u>OFF</u> BOTH ON	ENG	This selects 26P remote control. <b>OFF:</b> Unit only (no 26P control). <b>BOTH:</b> Unit and 26P remote control (tally LED displays unit's REC status). <b>ON:</b> 26P remote control only (tally LED displays 26P VTR's REC status).
REC START	ALL <u>NORMAL</u>	ENG	This selects in what VTR mode REC is to be acknowledged when the VTR is started or stopped. <b>ALL:</b> REC is acknowledged in any VTR mode. <b>NORMAL:</b> REC is acknowledged only in the STOP (power save) mode and REC PAUSE mode.
TC MODE	<u>DF</u> NDF	ENG	This sets DF or NDF for the time code. <b>DF:</b> Drop frame mode <b>NDF:</b> Non-drop frame mode
UB MODE	USER DATE TIME EXT GPS*	ENG	This selects how LTC UB is to be used. <b>USER:</b> User setting (fixed setting) <b>DATE:</b> For year/month/day/hour real-time operations. <b>TIME:</b> For hour/minute/second real-time operations. <b>EXT:</b> The UBG value is slave-locked when an external TC signal has been input. (The user setting is used when there is no external input.) <b>(GPS):</b> GPS is placed on UB when the Picture Link function is used.
PAUSE TIMER	10 20 <u>30</u> 60	ENG	This selects the time for which the REC/PAUSE status is to be maintained. <b>10/20/30/60:</b> Status is to be held for 10, 20, 30 or 60 minutes.
BATTERY SEL	<u>NiCd12</u> NiCd13 NiCd14 IDX-L-40 L-60 L-90 ANTON-D IDX-D	ENG	This selects the battery type. <b>NiCd12:</b> When a 12V NiCd battery is used <b>NiCd13:</b> When a 13V NiCd battery is used <b>NiCd14:</b> When a 14V NiCd battery is used <b>IDX-L-40:</b> When the L-40 battery made by IDX is used <b>L-60/L-90:</b> When a battery made by Sony is used <b>ANTON-D:</b> When a battery made by Anton Bauer is used <b>IDX-D:</b> When a battery made by IDX is used digitally

\*This is displayed when the Picture Link adaptor board (AJ-YAP900, optional accessory) has been installed.

#### <Notes>

- Set SW201 on the CAM ENC board and SW1 (26PIN) on the CAM SYNC board to ON when the 26P remote control function is to be used.
- Change the time on the TIME/DATE menu screen when the REAL setting is to be used for the UB MODE item.

The underlining in the variable range column indicates the setting in the preset mode.



## MAIN Menu Screen 2 of 4 (SUB menus)

→< VTR FUNCTION >

HUMID OPE : OFF  
 26P CONTROL : OFF  
 REC START : NORMAL  
 TC MODE : DF  
 UB MODE : USER  
 PAUSE TIMER : 30  
 BATTERY SEL : NiCd12  
 TCG VF DISP : OFF  
 TCG SET HOLD : OFF  
 FIRST REC TC : REGEN

Item	Variable range	VF display	Remarks
TCG VF DISP	ON <u>OFF</u>	ENG	This selects ON or OFF for time code display in the viewfinder. <b>ON:</b> The time code is displayed. <b>OFF:</b> The time code is not displayed.
TCG SET HOLD	ON <u>OFF</u>	ENG	This selects the TCG operation when operation is performed in the following sequence: TCG SET→power OFF→power ON→REC. <b>ON:</b> The fact that TCG SET has been selected is stored in the memory when the power is switched off, and regeneration is not performed. <b>OFF:</b> The fact that TCG SET has been selected is not stored in the memory when the power is switched off, and regeneration is performed.
FIRST REC TC	<u>REGEN</u> PRESET	ENG	This sets the TC REGEN mode when recording starts. <b>REGEN:</b> Regeneration is performed in the time code on the tape. <b>PRESET:</b> Regeneration is not performed in the time code on the tape. However, when the mode is transferred from REC/PAUSE to REC, regeneration is forcibly performed.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 2 of 4 (SUB menus)

### BATT/TAPE ALARM screen

The battery end and remaining tape warning beeps heard can be turned off if they disturb the concentration during shooting.

->< BATT/TAPE ALARM >			
BATT	NEAR	END	: ON
BATT	END		: ON
TAPE	NEAR	END	: ON
TAPE	END		: ON

Item	Variable range	VF display	Remarks
BATT NEAR END	<u>ON</u> OFF	ENG	This selects ON or OFF for the warning beeps heard when the battery charge is nearly depleted.
BATT END	<u>ON</u> OFF	ENG	This selects ON or OFF for the warning beeps heard when the battery charge is depleted.
TAPE NEAR END	<u>ON</u> OFF	ENG	This selects ON or OFF for the warning beeps heard when the tape nears the end. (A warning is given about 3 minutes before the tape reaches its end.)
TAPE END	<u>ON</u> OFF	ENG	This selects ON or OFF for the warning beeps heard when the tape has reached its end.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 3 of 4 (SUB menus)

### CARD READ/WRITE screen

The operations for loading the menu data from the setup card, saving it on the setup card, and configuring the setup card are set on this screen.

Align the arrow (→) with the item and press the UP or DOWN button to initiate the corresponding operation.

→< CARD READ/WRITE >				
READ				
SELECT                  1				
WRITE				
SELECT                  1				
CARD CONFIG				
READ USER DATA				

Item	Variable range	VF display	Remarks
READ	—	ENG	This loads (reads) the data from the setup card.
SELECT	1 (fixed)	ENG	This item is always set to “1”. [It cannot be used when the Picture Link adaptor board (AJ-YAP900, optional accessory) has not been installed.]
WRITE	—	ENG	This saves (writes) the camera's data onto the setup card.
SELECT	1 (fixed)	ENG	This item is always set to “1”. [It cannot be used when the Picture Link adaptor board (AJ-YAP900, optional accessory) has not been installed.]
CARD CONFIG	—	ENG	This formats the setup card.
READ USER DATA	—	ENG	This loads (reads) the user area data in the camera's memory.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 3 of 4 (SUB menus)

### CARD R/W SELECT screen

Whether the recording of specific menu data onto, or the loading of the data from, the setup card is to be set to ON or OFF on this screen.

->< CARD R/W SELECT >			
ID READ/WRITE	:	OFF	
MENU-1 / 4 LEVEL	R / W :	ON	
MENU-1 / 4 SW (■)	R / W :	ON	
MENU-2 / 4 ALL	R / W :	ON	
MENU-3 / 4 ALL	R / W :	ON	

Item	Variable range	VF display	Remarks
ID READ/WRITE	<u>ON</u> OFF	USER ENG	This selects ON or OFF for recording and loading the camera ID during setup card read/write operations. (See *) <b>ON:</b> Recording/loading is enabled. <b>OFF:</b> Recording/loading is disabled.
MENU-1/4 LEVEL R/W	<u>ON</u> OFF	USER ENG	This selects ON or OFF for recording and loading the adjustments made with the LEVEL item on MAIN menu screen 1 of 4 during setup card read/write operations. <b>ON:</b> Recording/loading is enabled. <b>OFF:</b> Recording/loading is disabled.
MENU-1/4 SW (■) R/W	<u>ON</u> OFF	USER ENG	This selects ON or OFF for recording and loading the items indicated by (■) alongside the ON/OFF items on MAIN menu screen 1 of 4 during setup card read/write operations. <b>ON:</b> Recording/loading is enabled. <b>OFF:</b> Recording/loading is disabled.
MENU-2/4 ALL R/W	<u>ON</u> OFF	USER ENG	This selects ON or OFF for recording and loading the MAIN menu 2 of 4 data during setup card read/write operations. <b>ON:</b> Recording/loading is enabled. <b>OFF:</b> Recording/loading is disabled.
MENU-3/4 ALL R/W	<u>ON</u> OFF	USER ENG	This selects ON or OFF for recording and loading the MAIN menu 3 of 4 data during setup card read/write operations. <b>ON:</b> Recording/loading is enabled. <b>OFF:</b> Recording/loading is disabled.

\*For instance, set the ID READ/WRITE item to OFF when the camera ID is not to be changed when reading from or writing onto the setup card.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 3 of 4 (SUB menus)

### REC (ASPECT)/RET screen

The recording, playback and return functions are set on this screen.

→< REC (ASPECT) / RET >	
REC MODE	: 4*3/25M
RET SW	: REC CHECK

Item	Variable range	VF display	Remarks
REC MODE	16*9/25M <u>4*3/25M</u>	ENG	This selects the mode for recording on the VTR. <b>16*9/25M:</b> (16:9) signals are recorded using the 25 Mbps format. <b>4*3/25M:</b> (4:3) signals are recorded using the 25 Mbps format.
RET SW	<u>REC CHECK</u> CAM RET MARK*	USER ENG	This selects the RET switch function. <b>REC CHECK:</b> The REC CHECK operation is performed. <b>CAM RET:</b> The return signal output operation is performed. <b>(MARK):</b> The MARK switch operation is performed.

\*This is displayed when the Picture Link adaptor board (AJ-YAP900, optional accessory) has been installed.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 3 of 4 (SUB menus)

### MIC/AUDIO screen

The MIC/AUDIO items are set on this screen.

->< MIC/AUDIO >	
FRONT POWER	: ON
FRONT MIC	: -40 dB
REAR MIC CH1	: -60 dB
REAR MIC CH2	: -60 dB
LINE CH1/CH2	: +4 dB
REAR AUDIO	: STEREO
MIC LOW CUT CH1	: FRONT
MIC LOW CUT CH2	: FRONT
EMPHASIS	: OFF
LIMITER	: OFF
TEST TONE	: NORMAL

Item	Variable range	VF display	Remarks
FRONT POWER	<u>ON</u> OFF	ENG	<b>ON:</b> The phantom power is supplied to the front microphone. <b>OFF:</b> The phantom power is not supplied to the front microphone.
FRONT MIC	-40/-50/ <u>60 dB</u>	ENG	This selects the camera mic input level.
REAR MIC CH1	-40/-50/ <u>-60 dB</u>	ENG	This selects the mic level of the rear AUDIO CH1 input jack.
REAR MIC CH2	-40/-50/ <u>-60 dB</u>	ENG	This selects the mic level of the rear AUDIO CH2 input jack.
LINE CH1/CH2	<u>+4/0/</u> -6 dB	ENG	This selects the line input level of the rear AUDIO CH1 and CH2 input jacks.
REAR AUDIO	<u>STEREO</u> MONO	ENG	This selects the rear jack AUDIO CH1 and CH2 input method. <b>STEREO:</b> Stereo input is selected. (The CH1 input signals are recorded on CH1 and the CH2 input signals are recorded on CH2.) <b>MONO:</b> Monaural input is selected. (The CH1 and CH2 input signals are mixed, and the mixed signals are recorded on both CH1 and CH2.)
MIC LOWCUT CH1	<u>FRONT</u> REAR F&R OFF	ENG	<b>FRONT:</b> The CH1 input high-pass filter is set to ON only when FRONT is selected. <b>REAR:</b> The CH1 input high-pass filter is set to ON only when REAR is selected. <b>F&amp;R:</b> The CH1 input high-pass filter is set to ON regardless of whether FRONT or REAR is selected. <b>OFF:</b> The CH1 input high-pass filter is set to OFF.
MIC LOWCUT CH2	<u>FRONT</u> REAR F&R OFF	ENG	<b>FRONT:</b> The CH2 input high-pass filter is set to ON only when FRONT is selected. <b>REAR:</b> The CH2 input high-pass filter is set to ON only when REAR is selected. <b>F&amp;R:</b> The CH2 input high-pass filter is set to ON regardless of whether FRONT or REAR is selected. <b>OFF:</b> The CH2 input high-pass filter is set to OFF.

#### <Note>

- The frequency response when ON is selected for the MIC LOWCUT item setting is 200 Hz to 10 kHz.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 3 of 4 (SUB menus)

->< MIC/AUDIO >	
FRONT POWER	: ON
FRONT MIC	: -40dB
REAR MIC CH1	: -60dB
REAR MIC CH2	: -60dB
LINE CH1/CH2	: +4dB
REAR AUDIO	: STEREO
MIC LOW CUT CH1	: FRONT
MIC LOW CUT CH2	: FRONT
EMPHASIS	: OFF
LIMITER	: OFF
TEST TONE	: NORMAL

Item	Variable range	VF display	Remarks
EMPHASIS	ON <u>OFF</u>	ENG	This selects ON or OFF for the emphasis during recording. The EE output signals are also linked with the setting of this switch.
LIMITER	ON <u>OFF</u>	ENG	This selects ON or OFF for the audio limiter. <b>ON:</b> The audio limiter will be activated. <b>OFF:</b> The audio limiter will not be activated.
TEST TONE	<u>NORMAL</u> ALWAYS OFF CHSEL	ENG	<b>NORMAL:</b> The test tone signal is output when the CAM/BAR switch is set to BAR and the AUDIO IN switch CH1 is set to FRONT. <b>ALWAYS:</b> The test tone signal is output when the CAM/BAR switch is set to BAR. <b>OFF:</b> The test tone signal is not output. <b>CHSEL:</b> The test tone signal is output to the selected channel when the CAM/BAR switch is set to BAR and the AUDIO IN CH1 and/or CH2 switch is set to FRONT.

### <Notes>

- The LIMITER item initiates the limiter operation at a level equivalent to 3 dB below the peak (+18 dB).
- The AUDIO SELECT initiates the limiter operation at the MAN setting and the AGC operation at the AUTO setting.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 3 of 4 (SUB menus)

### GENLOCK/IRIS screen

The GENLOCK and IRIS control settings are performed on this screen.

→< GENLOCK/IRIS >	
GENLOCK	: INT
H PHASE COARSE	: 07
H PHASE FINE	: 128
SC PHASE COARSE	: 0
SC PHASE FINE	: 128
A.IRIS LEVEL	: 050
A.IRIS PEAK/AVE	: 050
A.IRIS MODE	: NORM1
S.IRIS LEVEL	: 100

Item	Variable range	VF display	Remarks
GENLOCK	EXT <u>INT</u>	ENG	This sets the cyclical signal of the camera signal. <b>INT:</b> Synchronization with the internal reference signals that are not related to the reference signals input to the GENLOCK IN/(VIDEO IN) connector. <b>EXT:</b> Synchronization with the reference signal which is input to the GENLOCK IN/(VIDEO IN) connector.
H PHASE COARSE	0 : <u>7</u> : 15	ENG	For the coarse adjustment of the H phase in the genlock mode.
H PHASE FINE	0 : <u>128</u> : 255	ENG	For the fine adjustment of the H phase in the genlock mode.
SC PHASE COARSE	0 : <u>3</u>	ENG	For the coarse adjustment of the SC phase in the genlock mode.
SC PHASE FINE	0 : <u>128</u> : 255	ENG	For the fine adjustment of the SC phase in the genlock mode.
A.IRIS LEVEL	0 : <u>50</u> : 100	ENG	This sets the target value for the auto iris. The brightness (iris) is controlled using this value. The higher the number selected, the greater the brightness.
A.IRIS PEAK/AVE	0 : <u>50</u> : 100	ENG	This sets the auto iris peak/average value ratio. The closer the selected value is to 0, the more the type of control is exercised toward AVE control; the closer it is to 100, the more it is exercised toward PEAK control.
A.IRIS MODE	NORM1 NORM2 CENTR	ENG	This selects the auto iris mode. <b>NORM1:</b> Light metering over the entire screen (except the edges). <b>NORM2:</b> Light metering over the entire screen (except the top). <b>CENTR:</b> Light metering at the screen center only.
S.IRIS LEVEL	0 : <u>100</u>	ENG	This sets the target value for the super iris. (Backlight compensation mode)

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.



## MAIN Menu Screen 3 of 4 (SUB menus)

### VIDEO OUT screen

The VIDEO OUT items are set on this screen.

→< VIDEO OUT >
VIDEO OUT SEL : ENC
CHARACTER : ON

Item	Variable range	VF display	Remarks
VIDEO OUT SEL	MONI <u>ENC</u>	ENG	This selects whether to switch the VIDEO OUT signals to monitor signals or to the encoder signals.
CHARACTER	ON OFF	ENG	This selects whether to display characters in the VIDEO OUT signals. <b>ON:</b> Characters are displayed. <b>OFF:</b> Characters are not displayed.

### TIME/DATE screen

The date and time are set on this screen. When the UP or DOWN button is pressed after the date and/or time have been changed, the settings will be entered.

→< TIME / DATE >
YEAR : 99
MONTH : 01
DAY : 01
HOURL : 00
MINUTE : 00
■ TIME / DATE SET

Item	Variable range	VF display	Remarks
YEAR	00 to <u>99</u>	ENG	This sets the year.
MONTH	<u>1</u> to 12	ENG	This sets the month.
DAY	<u>1</u> to 31	ENG	This sets the day.
HOURL	<u>0</u> to 23	ENG	This sets the hours.
MINUTE	<u>0</u> to 59	ENG	This sets the minutes.
TIME/DATE SET	—	ENG	This enters the time/date settings.

#### <Note>

Seconds cannot be set. The time always starts from the zero second setting.

### LENS SEL/ADJ screen

The lens adjustment items are set on this screen.

→< LENS SEL / ADJ >
LENS SELECT : NORM
F2.8 ADJ : OFF
F16 ADJ : OFF

Item	Variable range	VF display	Remarks
LENS SELECT	<u>NORM</u> R.CO.V	ENG	<b>NORM:</b> This is selected when the normal lens is used. <b>R.CO.V:</b> This is selected when a lens with an X0.8 ratio converter is used.
F2.8 ADJ	ON <u>OFF</u>	ENG	The voltage is output only when selected to ON.
F16 ADJ	ON <u>OFF</u>	ENG	The voltage is output only when selected to ON.

#### <Note>

When using a lens which enables the open and close limits of the lens iris to be adjusted, set either F2.8 ADJ or F16 ADJ to ON, and repeatedly adjust the lens iris until it is set to F2.8 or F16, respectively. (This adjustment need not be performed if the lens does not have this adjustment function.)

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### USER MENU SEL 1 of 3 screen

The menu page displays are set to ON or OFF on this screen. Before each screen item is an asterisk ("\*") or dot (".") which respectively indicates whether the setting is ON or OFF.

→< USER MENU SEL 1 / 3 >
* ROP
· MATRIX
· LOW SETTING
· MID SETTING
· HIGH SETTING
· ADDITIONAL DTL
· SKIN TONE DTL
· KNEE / LEVEL
· FLARE / GAMMA
· CAMERA SETTING

\*: ON  
.: OFF

Item	Variable range	VF display	Remarks
ROP	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the ROP MENU item.
MATRIX	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the MATRIX item.
LOW SETTING	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the LOW SETTING item.
MID SETTING	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the MID SETTING item.
HIGH SETTING	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the HIGH SETTING item.
ADDITIONAL DTL	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the ADDITIONAL DTL item.
SKIN TONE DTL	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the SKIN TONE DTL item.
KNEE/LEVEL	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the KNEE/LEVEL item.
FLARE/GAMMA	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the FLARE/GAMMA item.
CAMERA SETTING	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the CAMERA SETTING item.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### USER MENU SEL 2 of 3 screen

The menu page displays are set to ON or OFF on this screen. Before each screen item is an asterisk ("\*") or dot (".") which respectively indicates whether the setting is ON or OFF.

→< USER MENU SEL2 / 3 >
*VF DISPLAY
*VF INDICATOR
*CAMERA ID
·SHUTTER SPEED
*SYNCHRO SCAN
·!LED
·CAMERA SW MODE
·SUPER GAIN
·VTR FUNCTION
·BATT/TAPE ALARM

\*: ON  
·: OFF

Item	Variable range	VF display	Remarks
VF DISPLAY	<u>ON</u> OFF	ENG	This selects ON or OFF for the user menu display of the VF DISPLAY item.
VF INDICATOR	<u>ON</u> OFF	ENG	This selects ON or OFF for the user menu display of the VF INDICATOR item.
CAMERA ID	<u>ON</u> OFF	ENG	This selects ON or OFF for the user menu display of the CAMERA ID item.
SHUTTER SPEED	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the SHUTTER SPEED item.
SYNCHRO SCAN	<u>ON</u> OFF	ENG	This selects ON or OFF for the user menu display of the SYNCHRO SCAN item.
!LED	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the !LED item.
CAMERA SW MODE	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the CAMERA SW MODE item.
SUPER GAIN	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the SUPER GAIN item.
VTR FUNCTION	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the VTR FUNCTION item.
BATT/TAPE ALARM	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the BATT/TAPE ALARM item.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### USER MENU SEL 3 of 3 screen

The menu page displays are set to ON or OFF on this screen. Before each screen item is an asterisk ("\*") or dot (".") which respectively indicates whether the setting is ON or OFF.

<div>→&lt; USER MENU SEL3/3 &gt;</div> <div>*CARD READ/WRITE ·CARD R/W SELECT *REC(ASPECT)/RET ·MIC/AUDIO ·GENLOCK/IRIS ·VIDEO OUT ·TIME/DATE ·LENS SEL/ADJ</div>	Item	Variable range	VF display	Remarks
	CARD READ/ WRITE	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the CARD READ/ WRITE item.
	CARD R/W SELECT	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the CARD R/W SELECT item.
	REC (ASPECT)/ RET	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the REC (ASPECT)/ RET item.
	MIC/AUDIO	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the MIC/AUDIO item.
	GENLOCK/IRIS	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the GENLOCK/IRIS item.
	VIDEO OUT	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the VIDEO OUT item.
	TIME/DATE	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the TIME/DATE item.
	LENS SEL/ADJ	ON <u>OFF</u>	ENG	This selects ON or OFF for the user menu display of the LENS SEL/ADJ item.

\*: ON  
.: OFF

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### AUTO SHADING screen

The AUTO SHADING items are set on this screen. Align the arrow with the BLACK or WHITE item and press the UP or DOWN button to initiate the corresponding operation.

->< AUTO SHADING >	
BLACK	
WHITE	
BLACK COMPE	: ON
WHITE COMPE	: ON

Item	Variable range	VF display	Remarks
BLACK	—	ENG	This initiates AUTO BLACK SHADING.
WHITE	—	ENG	This initiates AUTO WHITE SHADING.
BLACK COMPE	<u>ON</u> OFF	ENG	This selects ON or OFF for the black shading compensation.
WHITE COMPE	<u>ON</u> OFF	ENG	This selects ON or OFF for the white shading compensation.

#### <Note>

When the AUTO W/B BAL switch is held down at the ABB position for 6 or more seconds, the auto black shading compensation is performed automatically.

### EVALUATION screen

The items on this screen are set when an evaluation is to be performed.

->< EVALUATION >	
S/N	: OFF
MODULATION	: OFF
RESOLUTION	: OFF
SENSITIVITY	: OFF

Item	Variable range	VF display	Remarks
S/N	ON <u>OFF</u>	ENG	This sets the signal-to-noise ratio measurement to ON or OFF.
MODULATION	ON <u>OFF</u>	ENG	This sets the modulation measurement to ON or OFF.
RESOLUTION	ON <u>OFF</u>	ENG	This sets the resolution measurement to ON or OFF.
SENSITIVITY	ON <u>OFF</u>	ENG	This sets the sensitivity measurement to ON or OFF.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### S/N measurement screen

The settings for the signal-to-noise ratio measurement are performed on this screen.

< EVALUATION >	
→S/N	: ON
DETAIL	: OFF
H-F COMP	: OFF
GAMMA	: OFF
MATRIX	: OFF
FLARE	: OFF
M.PED	: +00
VIDEO OUT	: Y

Item	Variable range	VF display	Remarks
S/N	<u>ON</u> OFF	ENG	This selects ON or OFF for the S/N ratio setting.
DETAIL	ON <u>OFF</u>	ENG	This selects ON or OFF for DTL.
H-F COMP	ON <u>OFF</u>	ENG	This selects ON or OFF for H-F COMP.
GAMMA	ON <u>OFF</u>	ENG	This selects ON or OFF for GAMMA.
MATRIX	ON <u>OFF</u>	ENG	This selects ON or OFF for MATRIX.
FLARE	ON <u>OFF</u>	ENG	This selects ON or OFF for FLARE.
M.PED	−99 ⋮ <u>+0</u> ⋮ +99	ENG	This adjusts the master pedestal.
VIDEO OUT	ENC <u>Y</u> R G B	ENG	This switches the VIDEO OUT.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### Modulation measurement screen

The settings for the modulation measurement are performed on this screen.

< EVALUATION >	
→MODULATION	: ON
DETAIL	: OFF
H-F COMP	: OFF
GAMMA	: OFF
MATRIX	: OFF
FLARE	: OFF
M.PED	: +00
VIDEO OUT	: Y

Item	Variable range	VF display	Remarks
MODULATION	<u>ON</u> OFF	ENG	This selects ON or OFF for the modulation measurement.
DETAIL	ON <u>OFF</u>	ENG	This selects ON or OFF for DTL.
H-F COMP	ON <u>OFF</u>	ENG	This selects ON or OFF for H-F COMP.
GAMMA	ON <u>OFF</u>	ENG	This selects ON or OFF for GAMMA.
MATRIX	ON <u>OFF</u>	ENG	This selects ON or OFF for MATRIX.
FLARE	ON <u>OFF</u>	ENG	This selects ON or OFF for FLARE.
M.PED	−99 ⋮ <u>+0</u> ⋮ +99	ENG	This adjusts the master pedestal.
VIDEO OUT	ENC <u>Y</u> R G B	ENG	This switches the VIDEO OUT.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### Resolution measurement screen

The settings for the resolution measurement are performed on this screen.

< EVALUATION >	
→RESOLUTION	:ON
DETAIL	:OFF
H-F COMP	:OFF
GAMMA	:OFF
MATRIX	:OFF
FLARE	:OFF
M.PED	:+00
VIDEO OUT	:Y

Item	Variable range	VF display	Remarks
RESOLUTION	<u>ON</u> OFF	ENG	This selects ON or OFF for the resolution measurement.
DETAIL	ON <u>OFF</u>	ENG	This selects ON or OFF for DTL.
H-F COMP	ON <u>OFF</u>	ENG	This selects ON or OFF for H-F COMP.
GAMMA	ON <u>OFF</u>	ENG	This selects ON or OFF for GAMMA.
MATRIX	ON <u>OFF</u>		This selects ON or OFF for MATRIX.
FLARE	ON <u>OFF</u>		This selects ON or OFF for FLARE.
M.PED	-99 : <u>+0</u> : +99		This adjusts the master pedestal.
VIDEO OUT	ENC <u>Y</u> R G B		This switches the VIDEO OUT.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.



## MAIN Menu Screen 4 of 4 (SUB menus)

### Sensitivity measurement screen

The settings for the sensitivity measurement are performed on this screen.

<pre>&lt; EVALUATION &gt; →SENSITIVITY :ON   KNEE       :OFF   W.CLIP     :OFF   M.PED      :+00   VIDEO OUT  :Y</pre>	<table><tr><th>Item</th><th>Variable range</th><th>VF display</th><th>Remarks</th></tr><tr><td>SENSITIVITY</td><td><u>ON</u> OFF</td><td>ENG</td><td>This selects ON or OFF for the sensitivity measurement.</td></tr><tr><td>KNEE</td><td>ON <u>OFF</u></td><td>ENG</td><td>This selects ON or OFF for KNEE.</td></tr><tr><td>W.CLIP</td><td>ON <u>OFF</u></td><td>ENG</td><td>This selects ON or OFF for W.CLIP.</td></tr><tr><td>M.PED</td><td>−99 ⋮ <u>+0</u> ⋮ +99</td><td>ENG</td><td>This adjusts the master pedestal.</td></tr><tr><td>VIDEO OUT</td><td>ENC <u>Y</u> R G B</td><td>ENG</td><td>This switches the VIDEO OUT.</td></tr></table>	Item	Variable range	VF display	Remarks	SENSITIVITY	<u>ON</u> OFF	ENG	This selects ON or OFF for the sensitivity measurement.	KNEE	ON <u>OFF</u>	ENG	This selects ON or OFF for KNEE.	W.CLIP	ON <u>OFF</u>	ENG	This selects ON or OFF for W.CLIP.	M.PED	−99 ⋮ <u>+0</u> ⋮ +99	ENG	This adjusts the master pedestal.	VIDEO OUT	ENC <u>Y</u> R G B	ENG	This switches the VIDEO OUT.
Item	Variable range	VF display	Remarks																						
SENSITIVITY	<u>ON</u> OFF	ENG	This selects ON or OFF for the sensitivity measurement.																						
KNEE	ON <u>OFF</u>	ENG	This selects ON or OFF for KNEE.																						
W.CLIP	ON <u>OFF</u>	ENG	This selects ON or OFF for W.CLIP.																						
M.PED	−99 ⋮ <u>+0</u> ⋮ +99	ENG	This adjusts the master pedestal.																						
VIDEO OUT	ENC <u>Y</u> R G B	ENG	This switches the VIDEO OUT.																						

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

## MAIN Menu Screen 4 of 4 (SUB menus)

### INITIALIZE screen

The MENU display item settings are reset on this screen. Align the arrow (→) with the item and press the UP or DOWN button to initiate the corresponding operation.

→< INITIALIZE >
READ FACTORY DATA
WRITE USER DATA

Item	Variable range	VF display	Remarks
READ FACTORY DATA	—	ENG	This returns the menu data to the factory settings.
WRITE USER DATA	—	ENG	This saves the menu data inherent to the user in the camera's memory.

**<Note>**

The camera ID, GENLOCK, CARD R/W SELECT and TIME/DATE are not returned to the factory setting.

### DIAGNOSTIC screen

The unit's operating statuses and software version are displayed on this screen.

< DIAGNOSTIC >	
OPERATION	: 00000 x10h
DRUM RUNNING	: 00000 x10h
THREADING	: 00000 x10
VTR SYSCON	Ver<P1.00>
CAM SYSCON	Ver<1.0>1.0
DATA ROM	Ver<1.0>
DV	Ver<1.00 > xx.xx.xx

Item	Variable range	VF display	Remarks
OPERATION	—	ENG	Unit's operating time with the power ON
DRUM RUNNING	—	ENG	Rotating time of the drum
THREADING	—	ENG	Number of times the tape has been loaded
VTR SYSCON	—	ENG	Software version display
CAM SYSCON	—	ENG	Software version display
DATA ROM	—	ENG	Software version display
DV	—	ENG	Software version display

- The DIAGNOSTIC screen can be displayed on the viewfinder when the MENU SET/OFF switch is set to SET while the HOLD button is held down, and the PAGE switch is pressed.

The underlining in the variable range column indicates the setting in the preset mode.

**USER menu:** The USER menu appears when the MENU switch is set to SET.

**ENG menu:** The ENG menu appears when the MENU switch is set to SET while the SHIFT/ITEM button and UP button are held down together.

# Warning System

If trouble is detected immediately after the power is turned on or during operation, the display window (LCD), WARNING lamp, lamps inside the viewfinder, and warning tones from the speaker and earphone inform the operator of trouble.

Item	Display window (LCD)				Lamps		Warning tone	Warning contents	VTR (section) operation	Countermeasures
	Warning display	Warning display status	Remaining battery level display	Remaining tape length display	WARN-ING lamp	REC lamp				
<b>RF</b>	RF	Flashes *1)			Flashes 4 times per second	Flashes 4 times per second	Emitted 4 times per second *1)	Video head clogging, recording system trouble	Head clogging is detected and a warning tone emitted. Images may not be recorded properly. RF flashing status can be held until REC/PAUSE mode is activated, and it goes off when REC/PAUSE mode is released.	Clean the heads. If images still cannot be recorded properly after the heads are cleaned, consult your dealer.
<b>SERVO</b>	SERVO	Lighted			Flashes 4 times per second	Flashes 4 times per second	Emitted 4 times per second	The servo is out of order.	Recording continues, but images may not be recorded properly.	Turn off the power and consult your dealer. (Lamps may flash briefly and then go off when tape running starts, but this does not indicate trouble.)
<b>HUMID</b>	HUMID	Lighted			Lighted	Flashes 4 times per second	Emitted 4 times per second *1) Continuous tone *2)	Condensation	Recording continues, but stops if tape sticking occurs. Playback, fast forward and rewind operation stops.	If tape running stops and the HUMID display does not go off even when the power is turned off and then on again, wait until the display goes off.
<b>SLACK</b>	SLACK	Flashes			Flashes 4 times per second	Flashes 4 times per second	Continuous tone	Tape wind-up trouble	An error code appears in the time code display position of the display window (LCD) and the VTR stops.	Check the error code in the display window (see page 149) and consult your dealer.

\*1) During recording

\*2) During playback, fast forward or rewind

## <Note>

If a cleaning tape is not available to deal with video head clogging, etc., first establish the STOP mode and then press the STOP button again while the RESET button on the side panel is kept depressed. While these buttons are held down, the cleaning roller will clean the heads for a maximum of 10 seconds.

# Warning System

Item	Display window (LCD)				Lamps		Warning tone	Warning contents	VTR (section) operation	Countermeasures
	Warning display	Warning display status	Remaining battery level display	Remaining tape length display	WARN-ING lamp	REC lamp				
TAPE END	E TAPE F	Flashes *1)		1 of the 7 bars displayed; 5-0 display inside the viewfinder flashes	Flashes 1 time per second*1)	Flashes 1 time per second	Emitted 4 times per second	The tape is nearing its end.	Operation continues.	Replace the tape as necessary.
		Flashes		All 7 bars displayed	Lighted	Flashes 4 times per second	Continuous tone	The tape has reached its end.	Recording, playback or fast forward operation stops.	Replace the cassette or rewind the tape.
BATTERY END	E BATT F	Flashes	1 of the 7 bars displayed		Flashes 1 time per second	Flashes 1 time per second	Emitted 4 times per second*1)	The battery has almost run out.	Operation continues.	Replace the battery as necessary.
		Flashes	All 7 bars displayed		Lighted	Flashes 1 time per second*3)	Continuous tone	The battery has run out.	Operation stops.	Replace the battery.
No display	No display				Flashes 4 times per second for 3 seconds	Flashes 4 times per second for 3 seconds	Emitted 4 times per second *1)	REC status error between SYSCON and DV.	Error code [00:00:00:11] will be displayed for 5 seconds in the time code display position in the status display window. However, the main unit will be put into Enforced Recording mode and recording will continue.	Switch the power OFF and consult your local dealer.

\*1) During recording

\*2) During playback, fast forward or rewind

\*3) During recording, the REC and BATT lamps flash in alternation.

When recording is paused (REC/PAUSE), the REC and BATT lamps flash together.

## <Notes>

- When trouble occurs with the external VTR connected to the unit, warnings are displayed only by the unit's REC and TALLY lamps.
- When connecting the external VTR to the 26-pin/12-pin output adaptor and recording simultaneously with the internal and external VTRs, the REC and TALLY lamps flash if trouble occurs in either VTR. Check the warning displays of each VTR to confirm the error contents.

Warning system priorities are as follows.

- 1 SLACK
- 2 BATTERY END
- 3 TAPE END
- 4 HUMID
- 5 SERVO
- 6 RF
- 7 BATTERY NEAR END
- 8 TAPE NEAR END

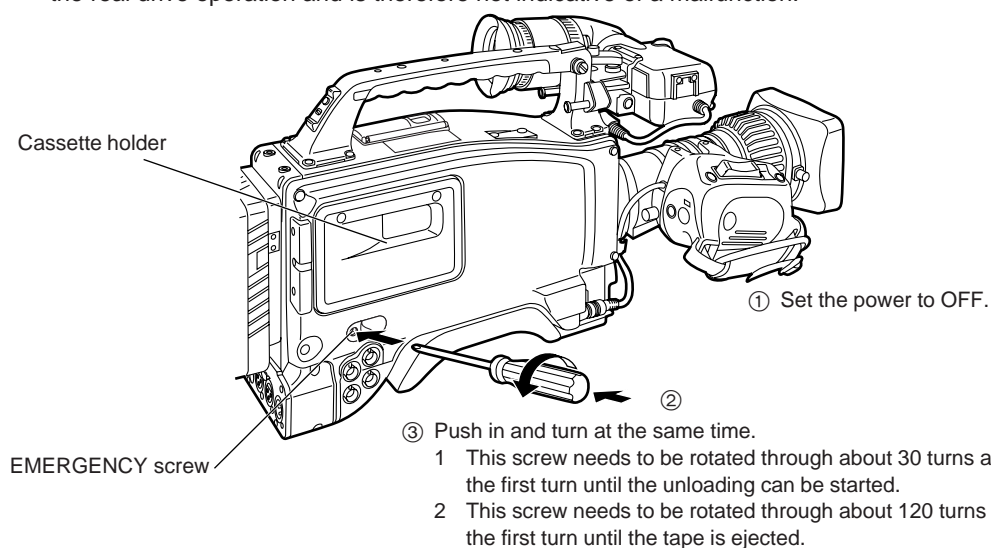
## Emergency eject

If the cassette cannot be ejected by pressing the EJECT button, use a screwdriver or similar tool to press and turn the EMERGENCY screw. This enables the cassette to be removed.

- 1** Set the power to OFF.
- 2** Remove the rubber cap where shown in the figure. Insert a Phillips head screwdriver into the cross-shaped part of the EMERGENCY screw (red).
- 3** While pushing in with the screwdriver, turn the EMERGENCY screw counterclockwise until the tape is ejected.
  - 1 This screw needs to be rotated through about 30 turns after the first turn until the unloading can be started.
  - 2 This screw needs to be rotated through about 120 turns after the first turn until the tape is ejected.
- 4** Remove the cassette.
- 5** Return the rubber cap to its original position.

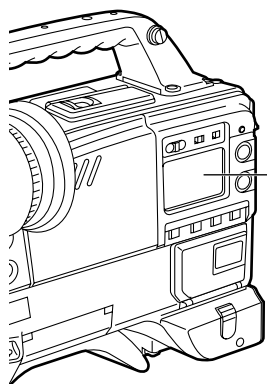
### <Notes>

1. Do not turn the EMERGENCY screw except in an emergency.
2. Do not turn the screw clockwise. Stop turning the screw as soon as the tape is ejected. Otherwise, the mechanism may be damaged.
3. After the tape is ejected, the cassette holder will not lock into place even when an attempt is made to close it. Be sure to turn the power off and turn it back on to reset the mechanism's operation, and then close the cassette holder.
4. A clicking sound will be heard when the EMERGENCY screw is turned: this sound is made by the real drive operation and is therefore not indicative of a malfunction.



## Error Codes

When an error occurs in the unit for some reason or other, the following error codes appear in the display window.



Code No.	Contents
7	Recording signal trouble
8	Solenoid trouble
9	The servo is not locked.
A	Condensation has occurred.
B	Supply reel trouble
C	Take-up reel trouble
D	Capstan trouble
E	Cylinder trouble
F	Loading trouble

# Maintenance

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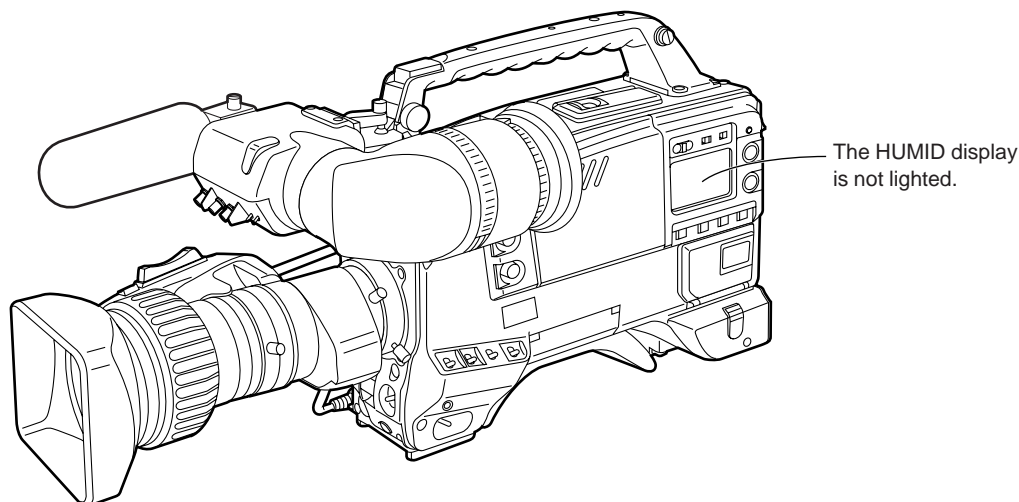
## Condensation

If the unit is moved from a cold location to a warm location or used in areas with high humidity, the moisture in the air may adhere as water droplets on the head drum. This is called condensation, and if the tape is run under these conditions, it will easily stick to the drum. Therefore, the following points should be observed.

- If the unit is moved under conditions where condensation may occur, eject the tape.
- Before inserting the tape, set the POWER switch to ON and check that the HUMID display in the display window is not lighted. If the HUMID display is lighted, do not insert the tape until the display goes off.

### <Note>

To ensure safe operation, MID continues to flash for 80 minutes after the condensation detection has been released. During this period, the function buttons will not respond even when they are operated.



## Cleaning the Video Heads

Use the AJ-CL12MP cleaning cassette when head cleaning is required. Improper use of the cleaning cassette may damage the video heads. Therefore, read the Handling Instructions for the cleaning tape carefully before use.

## Cleaning the Viewfinder

- Do not use thinner or other solvents to remove dirt from the viewfinder.
- Wipe the lens with lens cleaner available on the market.
- Absolutely do not wipe the mirror. If dirt, etc. has adhered to the mirror, remove it using a air blower available on the market.

## Characteristic Phenomenon of CCD Cameras

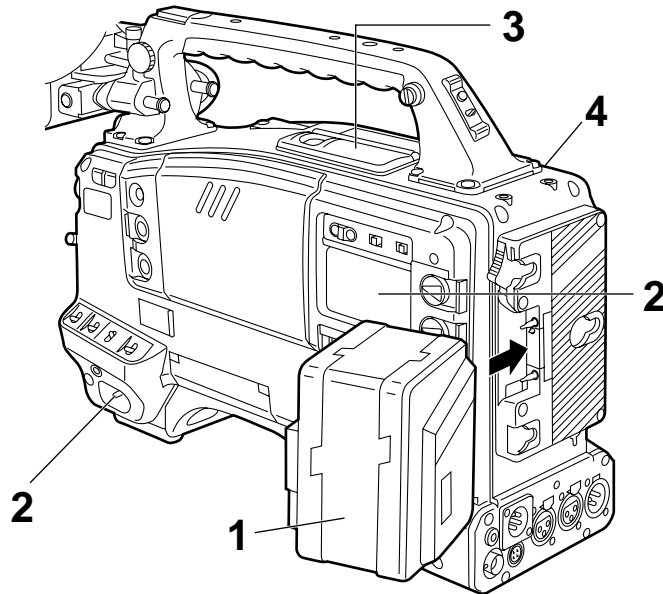
### Smear

Smear occurs when shooting high-intensity subjects, and occurs more easily as the electronic shutter speed increases.

# Inspections Before Shooting

Perform the following inspections before shooting to check that all systems are operating properly. Checking the image with a color monitor is recommended.

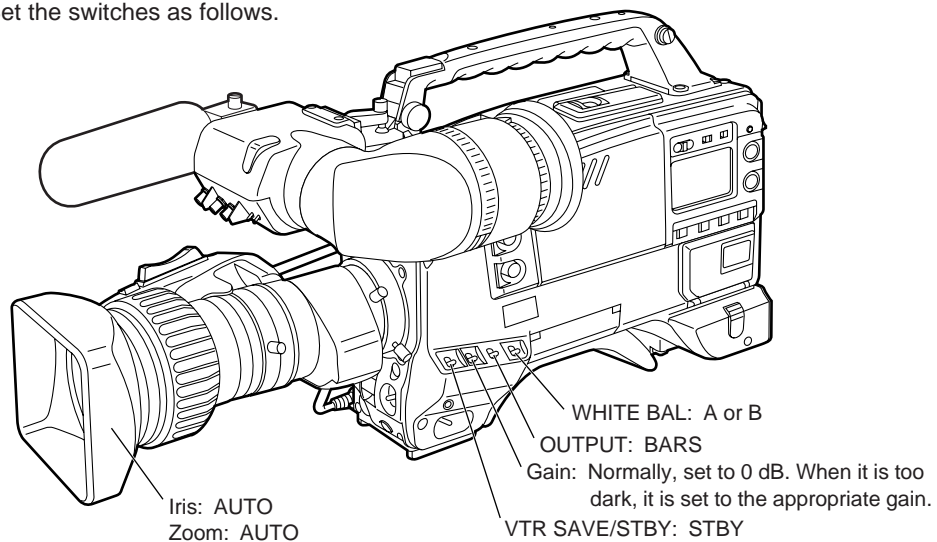
## Inspection Preparations



- 1** Insert a charged battery pack.
- 2** Set the POWER switch to ON and check that the HUMID display does not appear and that five or more bars of the remaining battery level display are lighted.
  - If the HUMID display appears, wait until the display goes off.
  - If five or more bars of the remaining battery level display are not lighted, replace the battery pack with a sufficiently charged battery pack.
- 3** Check that there are no cables, etc. around the cassette holder and top panel, and then press the EJECT button to open the cassette holder.
- 4** Check the following items, and then insert a cassette and close the cassette holder.
  - The cassette is not set to the write protect status.
  - There is no slack in the tape.

## Inspecting the Camera Section

Set the switches as follows.



# Inspections Before Shooting

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## Inspecting the Viewfinder

- 1** Adjust the position of the viewfinder.
- 2** Check that the color bar appears on the viewfinder screen, and then adjust the BRIGHT, CONTRAST and PEAKING controls so that the color bar appears clearly on the viewfinder.
- 3** Check the following items.
  - (1) Press the PAGE button, and check that the setting MAIN menu appears on the viewfinder screen.
  - (2) Press the PAGE button, and check that the setting MAIN menu page changes.
  - (3) Press the SHIFT/ITEM button, and check that the cursor moves on the page.
  - (4) Press the UP or DOWN button, and check that one of the SUB menus opens.
  - (5) Press the SHIFT/ITEM button, and check that the cursor moves on the page.
  - (6) Press the UP or DOWN button, and check that the setting or ON/OFF display of the item selected by the cursor changes.
- 4** Set the OUTPUT/AUTO KNEE switch to CAM, and change the CC and ND filter knob settings. Check that the number of the FILTER display on the viewfinder screen changes in accordance with the knob position.
- 5** Perform the following operation and check that the (!) lamp lights when the items set to ON on the "(!) LED" SUB menu page of MAIN menu screen 2 of 4 are operated.
  - (1) Set the gain to any value other than 0 dB with the GAIN switch.
  - (2) Set the SHUTTER switch to ON.
  - (3) Set the WHITE BAL switch to PRST.
  - (4) Insert the lens extender.
  - (5) Set the FILTER knob to any position other than "1".
- 6** Press the SHUTTER switch repeatedly from the ON position to the SEL side and check that the shutter setting on the viewfinder screen changes.
- 7** Aim the lens at an appropriate subject and turn the focus ring to bring the subject into focus. Check the image appearing in the viewfinder.
- 8** Set both the AUDIO IN CH1 and CH2 switches to "FRONT MIC", and set LEVEL METER on the "VF INDICATOR" SUB menu page of the MAIN menu screen 2 of 4 to "CH1".  
Check that the audio level appears on the viewfinder screen when sound is input from the microphone which has been connected to the MIC IN jack on the front panel.  
Check that the audio level display is cleared from the viewfinder screen when LEVEL METER on the "VF INDICATOR" SUB menu page of the MAIN menu screen 2 of 4 is set to "OFF".
- 9** Check that the zebra pattern appears on the viewfinder screen when the ZEBRA switch is set to ON, and disappears when the ZEBRA switch is set to OFF.

### <Note>

Depending on the setting conditions, the items and functions in steps 3 to 6 may not operate. If this is the case, switch the unit to the engineer mode, set DISPLAY MODE on the "VF DISPLAY" menu page to "3", and set the required items on the SHUTTER SPEED, (!) LED and USER MENU SELECT pages 1 of 3 to 3 of 3.



# Inspections Before Shooting

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## Inspecting the Iris and Zoom Functions

- 1** Set the zoom to electric zoom mode and check the electric zoom operation. Check that the image changes to telephoto and wide angle.
- 2** Set the zoom to manual zoom mode and check the manual zoom operation. Turn the manual zoom lever and check that the image changes to telephoto and wide angle.
- 3** Set the iris to automatic adjustment mode and aim the lens at subjects with differing brightness to check that the automatic iris adjustment functions.
- 4** Set the iris to manual adjustment mode and turn the iris ring to check the manual iris adjustment.
- 5** Hold down the instant iris automatic adjustment button and aim the lens at subjects with differing brightness to check the instant iris automatic adjustment performance.
- 6** Return the iris to automatic adjustment mode and change the GAIN switch setting to L, M and H to check the following items.
  - The iris is adjusted with respect to subjects with the same brightness in accordance with the switch setting.
  - The gain value display on the viewfinder screen changes in accordance with the switch setting.
- 7** When a lens with an extender is mounted, set the extender to the used position to check that the extender functions properly.

Perform “(1) Tape Running Inspections” to “(4) Earphone and Speaker Inspections” below consecutively.

## Inspecting the VTR Section

### (1) Tape Running Inspections

- 1** Set the VTR SAVE/STBY switch to SAVE and check that the VTR SAVE lamp inside the viewfinder lights.
- 2** Set the VTR SAVE/STBY switch to STBY and check that the VTR SAVE lamp goes off.
- 3** Set the F-RUN/R-RUN switch to R-RUN.
- 4** Set the DISPLAY switch to CTL.
- 5** Press the unit's VTR START button and check the following items.
  - The tape reels turn.
  - The counter display number changes.
  - The REC lamp inside the viewfinder lights.
  - The RF and SERVO lamps in the display window do not light.
- 6** Press the unit's VTR START button again. Check that the tape stops and the REC lamp inside the viewfinder goes off.
- 7** Check the same operations as in steps 5 and 6 using the VTR button of the lens.
- 8** Press the RESET button and check that the counter display number changes to “00:00:00:00”.
- 9** Set the LIGHT switch to ON and check that the display window is illuminated.
- 10** Press the REW button to rewind the tape for a few moments, and then press the PLAY/PAUSE button. Check that the recording, playback and rewind operations are performed properly.
- 11** Press the FF button and check that fast forward operation is performed properly.

# Inspections Before Shooting

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## (2) Inspection of Audio Level Automatic Adjustment Functions

- 1** Set the AUDIO SELECT CH1/CH2 switch to AUTO.
- 2** Set the AUDIO IN CH1/CH2 switch to FRONT [MIC].
- 3** Aim a microphone connected to the MIC IN jack at an appropriate sound source and check that the level display for both CH1 and CH2 changes in accordance with the sound level.

## (3) Inspection of Audio Level Manual Adjustment Functions

- 1** Set the AUDIO IN CH1/CH2 switch to FRONT [MIC].
- 2** Set the AUDIO SELECT CH1/CH2 switch to MAN.
- 3** Turn the AUDIO LEVEL CH1/CH2 controls and check that the level display increases when the controls are turned to the right.

## (4) Earphone and Speaker Inspections

- 1** Set the VTR SAVE/STBY switch to STBY.
- 2** Turn the MONITOR control and check that the speaker volume changes.
- 3** Connect an earphone to the PHONES jack. Check that the sound to the speaker is cut off and that the microphone sound can be heard from the earphone.
- 4** Turn the MONITOR control and check that the earphone volume changes.

## (5) Inspections when Using an External Microphone

- 1** Connect an external microphone to the AUDIO IN CH1 and CH2 connectors.
- 2** Set the AUDIO IN CH1/CH2 switch to REAR [MIC].
- 3** Aim the microphone at a sound source and check that the audio level meter in the display window and the audio level display inside the viewfinder change in accordance with the sound level. Each channel can also be checked separately by connecting a single microphone to each channel.

## (6) Time Code and User Bit-Related Inspections

- 1** Set the user bit as necessary.
  - See “Setting the User Bit” (page 84) for a description of setting methods.
- 2** Set the time code.
  - See “Setting the Time Code” (page 83) for a description of setting methods.
- 3** Set the F-RUN/R-RUN switch to R-RUN.
- 4** Press the VTR START button.  
Check that the tape runs and the counter display number changes.
- 5** Press the VTR START button again.  
Check that the tape stops and the counter display number stops changing.
- 6** Set the F-RUN/R-RUN switch to F-RUN.  
Check that the counter display number changes regardless of the tape running status.
- 7** Set the DISPLAY switch to UB.  
Check that the set user bit is displayed.

# SECTION 2

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## Service Information

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### CONTENTS

Setting Menu .....	2-1
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## 2-1. Setting Menu

AJ-D610WA has different kinds of setting menus, which are User, Engineer, Service, Design and Option. For operation of User and Engineer menu, please refer to Operating Instructions. When Service or Design menu is opened, User and Engineer menu screen also can be selected as shown below table. When Option menu is opened, only option menu screen is displayed.

<Table of Setting Menu>

Mode set		Menu sw on	SHIFT&+	SHIFT&+&-	SHIFT&+&-&PAGE	PAGE & SHIFT
MAIN MENU	SUB MENU	User	Engineer	Service	Design	Option
MAIN MENU 1/4	ROP	○	○	○	○	
	MATRIX		○	○	○	
	LOW SETTING		○	○	○	
	MID SETTING		○	○	○	
	HIGH SETTING		○	○	○	
	ADDITIONAL DTL		○	○	○	
	SKIN TONE DTL		○	○	○	
	KNEE/LEVEL		○	○	○	
	FLARE/GAMMA		○	○	○	
	CAMERA SETTING		○	○	○	
MAIN MENU 2/4	VF DISPLAY		○	○	○	
	VF INDICATOR	○	○	○	○	
	CAMERA ID	○	○	○	○	
	SHUTTER SPEED		○	○	○	
	SYNCHRO SCAN	○	○	○	○	
	! LED		○	○	○	
	CAMERA SW MODE		○	○	○	
	SUPER GAIN		○	○	○	
	VTR FUNCTION		○	○	○	
	BATT/TAPE ALARM		○	○	○	
MAIN MENU 3/4	CARD READ/WRITE	○	○	○	○	
	CARD R/W SELECT		○	○	○	
	REC(ASPECT)/PB/RET	○	○	○	○	
	MIC/AUDIO		○	○	○	
	GENLOCK/IRIS		○	○	○	
	VIDEO OUT		○	○	○	
	TIME/DATE		○	○	○	
	LENS ADJ		○	○	○	
MAIN MENU 4/4	USER MENU SEL 1/3		○	○	○	
	USER MENU SEL 2/3		○	○	○	
	USER MENU SEL 3/3		○	○	○	
	AUTO SHADING		○	○	○	
	EVALUATION		○	○	○	
	S/N		○	○	○	
	MODULATION		○	○	○	
	RESOLUTION		○	○	○	
	SENSITIVITY		○	○	○	
	INITIALIZE		○	○	○	
	DIAGNOSTIC		○	○	○	
SERVICE	SERVICE ADJ 1/2			○	○	
	SERVICE ADJ 2/2			○	○	
	DEFECT COMPENSATION			○	○	
	VTR D/A DATA			○	○	
	BATTERY SETTING			○	○	
	WHITE SHADING			○	○	
	ND COMPENSATION			○	○	
DESIGN	DESIGN				○	
	HOUR METER RESET				○	
OPTION MENU	OPTION MENU					○

## 2-2.Service Menu Screen.

### < How to open Service Menu >

Pressing **SHIFT**, **UP** and **DOWN** button on the Right Side Panel simultaneously, set Menu switch to SET side to open the Service Menu.

Procedure, how to change setting on each item, how to select item and how to move Page up and down, is exactly same method as User and Engineer menu.

Service menu has 7 kinds of menu screens. And basically Service menu is for service personal who is trained. Please refer to Adjustment procedures for detail of use.

### [ SERVICE ADJ 1/2 MENU SCREEN ]

< SERVICE ADJ 1/2 >		
GAMMA(SERV)	:	ON
R GAMMA(SERV)	:	+00
B GAMMA(SERV)	:	+00
TEST PULSE	:	OFF
ECU CONNECT	:	ECU
CONCEAL	:	ON
INNER ECC	:	ON
OUTER ECC	:	ON
IF ADJ	:	OFF
SERVO MODE	:	ATF
REC SIGNAL	:	CAM

This menu is use for setting.

ITEM	RANGE	PRESET	REMARK
GAMMA (SERV)	ON/OFF	ON	GAMMA setting becomes effective.
R GAMMA (SERV)	-10 - +10	+00	Setting of Rch GAMMA.
B GAMMA (SERV)	-10 - +10	+00	Setting of Bch GAMMA.
TEST PULSE	ON/OFF	OFF	TEST PULSE becomes available.
ECU CONNECT	ECU/EVR	ECU	ECU : Connection with ECU connector. EVR : Connection with EVR connector.
CONCEAL	ON/OFF	ON	
INNER ECC	ON/OFF	ON	
OUTER ECC	ON/OFF	ON	
IF ADJ	ON/OFF	OFF	Turn ON when adjusting VTR I/F.
SERVO MODE	ATF/CTL	ATF	Selection of SERVO MODE.
REC SIGNAL	CAM/VIDEO	CAM	Not used.

## [ SERVICE ADJ 2/2 MENU SCREEN ]

< SERVICE ADJ 2/2 >		
R GAMMA(1)	:	+000
B GAMMA(1)	:	+000
R GAMMA(2)	:	+000
B GAMMA(2)	:	+000
R GAMMA(3)	:	+000
B GAMMA(3)	:	+000
R GAMMA(4)	:	+000
B GAMMA(4)	:	+000
KNEE GAIN	:	+000

This menu is use for setting.

ITEM	RANGE	PRESET	REMARK
R GAMMA (1)	-128 - +127	-----	Rch GAMMA adjustment (Gain:+24dB following)
B GAMMA (1)	-128 - +127	-----	Bch GAMMA adjustment (Gain:+24dB following)
R GAMMA (2)	-128 - +127	-----	Rch GAMMA adjustment (Gain:+30dB following)
B GAMMA (2)	-128 - +127	-----	Bch GAMMA adjustment (Gain:+30dB following)
R GAMMA (3)	-128 - +127	-----	Not used
B GAMMA (3)	-128 - +127	-----	Not used
R GAMMA (4)	-128 - +127	-----	AUTO KNEE adjustment
B GAMMA (4)	-128 - +127	-----	AUTO KNEE adjustment
KNEE GAIN	-128 - +127	-----	AUTO KNEE adjustment

## [ DEFECT COMPENSATION MENU SCREEN ]

< DEFECT COMPENSATION >		
DEFECT ADJ MODE	:	OFF
DEFECT NO.	:	00
CURSORS ADJ		
V (+/- SW)		0000
H (FF/REW SW)		0000
FIELD CONT	:	A
DUAL PIXEL	:	OFF
COMPENSATION	:	ON
DATA CLR		

This menu is use for blemish compensation.

ITEM	RANGE	PRESET	REMARK
DEFECT ADJ MODE	ON/OFF	OFF	ON for Defect Compensation adjustment. <Note> This mode goes to OFF automatically when MENU becomes OFF or Page is changed
DEFECT NO.	00 - 15	00	Select of compensation No. <Note> This mode goes to OFF automatically when MENU becomes OFF or Page is changed
CURSORS ADJ	-----	-----	Cursor can be moved by the following way. Horizontal direction : +/- SW Vertical direction : FF/REW SW
H (+/- SW)	0000 -	-----	Display of Horizontal position of cursor.
V (FF/REW SW)	0000 -	-----	Display of Vertical position of cursor.
FIELD CONT	A/B	A	Field mode of Defect Compensation. (Not working)
DUAL PIXEL	ON/OFF	OFF	Select the Dual pixel compensation ON/OFF.
COMPENSATION	ON/OFF	ON	Select the Compensation ON/OFF.
DATA CLR	-----	-----	All defect compensation data is reset to original data, when this item is selected and + button is pressed with DEFECT ADJ MODE OFF

## [ ND COMPENSATION MENU SCREEN ]

< ND COMPENSATION >

POSITION 1 R : +000

POSITION 1 B : +000

POSITION 2 R : +000

POSITION 2 B : +000

POSITION 3 R : +000

POSITION 3 B : +000

POSITION 4 R : +000

POSITION 4 B : +000

This menu is use for no colored adjustment to every ND filter.

ITEM	RANGE	PRESET	REMARK
POSITION 1 R	-128 - +127	+000	For ND filter No.1 (CLEAR)
POSITION 1 B	-128 - +127	+000	
POSITION 2 R	-128 - +127	+000	For ND filter No.2 (1/4 ND)
POSITION 2 B	-128 - +127	+000	
POSITION 3 R	-128 - +127	+000	For ND filter No.3 (1/16 ND)
POSITION 3 B	-128 - +127	+000	
POSITION 4 R	-128 - +127	+000	For ND filter No.4 (1/64 ND)
POSITION 4 B	-128 - +127	+000	



## [ VTR D/A DATA MENU SCREEN ]

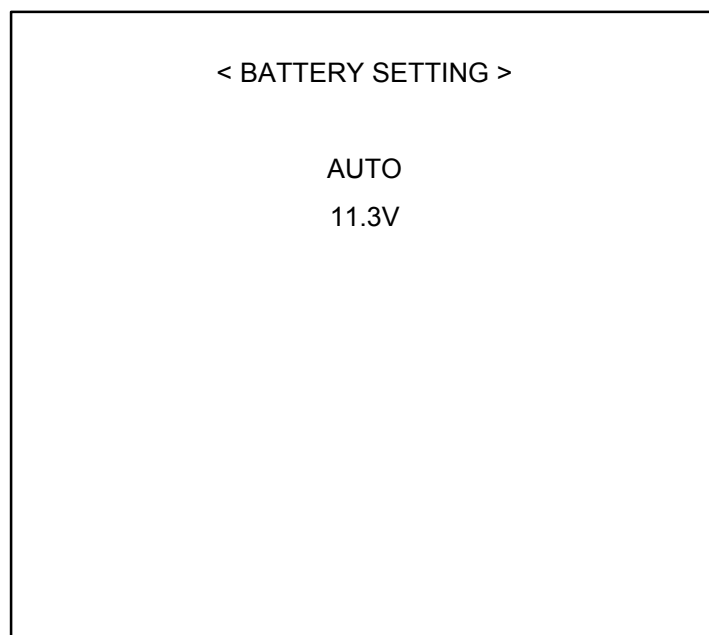
< VTR D/A DATA >			
(01) 98	(02) 7F	(03) 77	(04) 9D
(05) 00	(06) 00	(07) 90	(08) 90
(09) 40	(0A) 40	(0B) 72	(0C) 60
(0D) 40	(0E) B0	(0F) 90	(10) B0
(11) 69	(12) 63	(13) 63	(14) 00
(15) 00	(16) 00	(17) 00	(18) C8
(19) 85	(1A) 75	(1B) 75	(1C) FF
(1D) 85	(1E) 55	(1F) 50	(20) B1
(21) B5	(22) 00	(23) FF	(24) FF

The data, which is adjusted by EVR, is displayed.

No.(address)	Adjustment	Range
(01)	-----	-----
(02)	-----	-----
(03)	-----	-----
(04)	AUDIO VCO	00 - FF
(05)	-----	-----
(06)	-----	-----
(07)	EQ $\alpha$ (L Ch)	00 - FF
(08)	EQ $\alpha$ (R Ch)	00 - FF
(09)	EQ $\beta$ (L Ch)	00 - FF
(0A)	EQ $\beta$ (R Ch)	00 - FF
(0B)	EQ PLL VCO	00 - FF
(0C)	ATF GAIN	00 - FF
(0D)	EQ SLICE	00 - FF
(0E)	EQ MAIN DELAY	00 - FF
(0F)	EQ PLL POS.	00 - FF
(10)	AUDIO EQ	00 - FF
(11)	Y CLAMP DC	00 - FF
(12)	Pb CLAMP DC	00 - FF

No.(address)	Adjustment	Range
(13)	Pr CLAMP DC	00 - FF
(14)	-----	-----
(15)	-----	-----
(16)	-----	-----
(17)	-----	-----
(18)	-----	-----
(19)	VIDEO IN HUE	00 - FF
(1A)	VIDEO IN OUT BIAS	00 - FF
(1B)	PLL VCO	00 - FF
(1C)	VIDEO IN Y/C SEP. VCO	00 - FF
(1D)	-----	-----
(1E)	-----	-----
(1F)	-----	-----
(20)	-----	-----
(21)	-----	-----
(22)	-----	-----
(23)	-----	-----
(24)	-----	-----

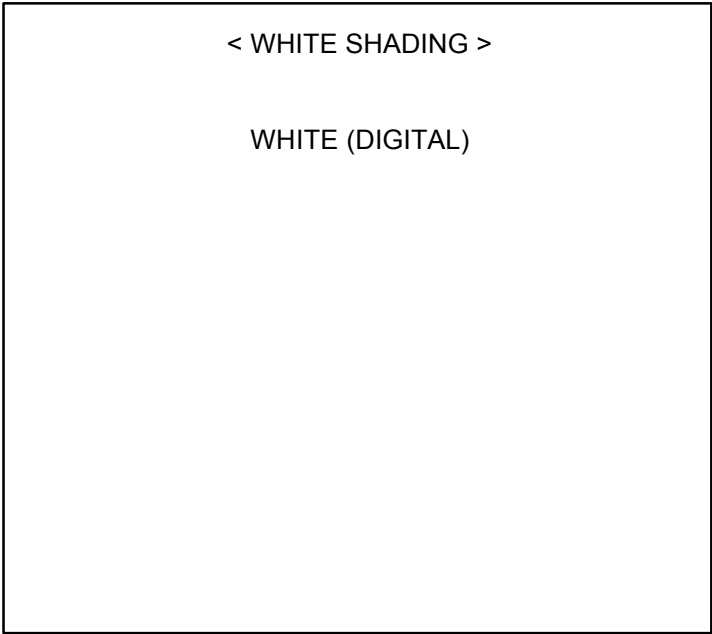
## [ BATTERY SETTING MENU SCREEN ]



The warning is given when the battery voltage becomes less than setting voltage.

ITEM	RANGE	PRESET	REMARK
AUTO / MANUAL	AUTO/MANUAL	AUTO	<p>A U T O : The voltage to detect "Battery before end" follows the type of Battery as indicated below.            (Battery type is selected by item " Battery sel " on VTR function menu screen)</p> <p>Ni-Cd 12V : 11.4V            Ni-Cd 13V : 12.8V            Ni-Cd 14V : 13.9V            IDX L40 : 12.75V            L60 : 11.3V            L90 : 11.15V            Anton-D : 13.4V            IDX-D : 12.75V</p> <p>MAMUAL: The voltage to detect " Battery before end " follows the value of below setting.</p>
BATTERY BEFORE END	11.0V - 14.0V	11.3V	Adjustable by 0.1V step.

[ WHITE SHADING MENU SCREEN ]



AUTO WHITE SHADING can be executed.

ITEM	RANGE	PRESET	REMARK
WHITE(DIGITAL)	-----	-----	Execute the Auto White Shading.

## 2-3. Design Menu Screen.

### < How to open Design menu >

Pressing **SHIFT**, **UP**, **DOWN** and **PAGE** button on the Right Side Panel simultaneously, set the MENU switch to SET position to open Design menu.

Procedure how to change setting on each item, how to select item and how to move Page up and down is exactly same method as User and Engineer menu. Design menu has 2 kinds of menu screens. And basically Design menu is for service personal who is trained. Please refer to Adjustment procedure for detail of use.

< DESIGN >		
MENU ALL INIT.		
LUMADALY	:	0
ENC	:	NORM
DEFECT MODE	:	ON
(STATUS)	:	OFF
BER ADJ	:	OFF
BER SPEED	:	SLOW

**CAUTION:** All menu data except FLARE and GAMMA setting will be reset when **UP** or **DOWN** button is pressed at MENU ALL INIT mode.

ITEM	RANGE	PRESET	REMARK
MENU ALL INIT.	-----	-----	Reset all data on all menu (refer to above sentence). Also reset OPERATION, DRUM and THEREADING time.
LUMADLY	0 - 3	0	Y signal is delayed against chroma signal. (At only playback mode)
ENC	NORM/BAR/C OFF	NORM	Select the output signal mode. NORM :BAR signal at EE mode, Playback signal at Playback mode B A R :Always BAR signal output. C OFF :Chroma signals OFF (at Playback)
DEFECT MODE	ON/OFF	ON	Not used for this model.
(STATUS)	ON/OFF	-----	Not used for this model.
BER ADJ	ON/OFF	OFF	Select the error rate display mode or audio level display mode on Audio Level Meter. OFF: Display the Audio Level. ON: Display the Error Rate.
BER SPEED	SLOW/FAST	SLOW	Select the error rate display mode. SLOW: SLOW mode. FAST: FAST mode.

## [ How to reset HOUR METER ]

DIAGNOSTIC screen displays operating condition and software version as mentioned on Operating Instructions. Drum Running Hours and Threading Times can be reset by HOUR METER RESET menu.

### < How to reset >

After select this menu, press **UP** or **DOWN** button, and then execute reset function.

## [ HOUR METER RESET MENU SCREEN ]

<p>&lt; HOUR METER RESET &gt;</p> <p>DRUM RUNNING RESET</p> <p>THREADING RESET</p>
--

ITEM	RANGE	PRESET	REMARK
DRUM RUNNING RESET	-----	-----	Reset of Drum Running hours.
THREADING RESET	-----	-----	Reset of loading times.

## 2-4. Option Menu Screen.

### < How to open Option menu >

Pressing **SHIFT** and **PAGE** simultaneously, set Menu switch to SET sides to open Option menu. (Only Option menu displayed)

Procedure, how to change setting item, how to select item and how to move Page up and down is exactly same method as User and Engineer menu.

< OPTION MENU >		
ENG SECURITY	:	OFF
TC OUT	:	TCG
BATT WARNING	:	ON
TAPE WARNING	:	3min
MIC POWER INH	:	OFF
BATT REMAIN(F)	:	70%
TAPE REMAIN	:	3min
CUE SELECT	:	SW
V BLANKING	:	20H
SAVE LED	:	SAVE

ITEM	RANGE	PRESET	REMARK
ENG SECURITY	ON/OFF	OFF	OFF : Engineer,Service and Design menu can be opened. ON : Engineer,Service and Design menu can not be opened. To open those menus turn Power SW OFF under the condition the CAM/BAR SW set BAR side and then AWB/ABB SW set to ABB side, turn POWER SW ON all menus can be open.
TC OUT	TCG,TCG/TCR	TCG	TCG : TCG signal always output TCG/TCR : TCR signal output in V-V mode and TCG signal output in E-E mode.
BATT WARNING	ON/OFF	ON	ON : When the unit becomes BATT NEAR END condition, ALARM and TALLY becomes on. OFF : When the unit becomes BATT NEAR END condition, ALARM and TALLY doesn't becomes on.
TAPE WARNING	3min/2min	3min	ON : When the unit becomes BATT NEAR END condition, ALARM and TALLY becomes on. OFF : When the unit becomes BATT NEAR END condition, ALARM and TALLY doesn't becomes on.
MIC POWER INH (PAL MODEL ONLY)	ON/OFF	OFF	MIC POWER SW SETTING ON : MIC POWER SW is always OFF. OFF : MIC POWER SW can be setting by Side panel.
BATT REMAIN (F)	70%/100%	70%	The way to battery remains display. (LCD PANEL) 70% : MAX70% display. 100% : MAX100% display.
TAPE REMAIN	3min/5min	5min	The way to tape remains display. (LCD PANEL) 3min : Display to 3min / scale 5min : Display to 5min / scale
CUE SELECT	SW/CH1/CH2/ MIX	SW	Select the CUE audio sources. SW : Normal mode (Can be select the side panel sw) Other : Mode is Fixed to your selected item.
V BLANKING	20H/21H	20H	Setting for V Blanking position.
SAVE LED	SAVE/S.&TAPE	S.&TAPE	Role addition to the "VTR SAVE" indicator. (On the VF) S A V E : Normal mode ( SAVE / STBY SW position displayed ) S . & T A P E : Tape remain warning (By LED Flashing) in additionS to Normal mode.

## <Auto off Information>

Error No.	Meaning	Detected Condition	Check
04	Fault of Pinch Solenoid Drive or Reel Brake Solenoid Drive.	Drive current is supplied to solenoids more than 5 seconds. (Normal : 100msec.)	1. Drive circuits of S* or T* Brake Solenoids and Pinch Solenoid. P610-#1 and #3, P605, P608, IC501-#99
28	Fault of Cleaner Solenoid Drive	Drive current is supplied to solenoid more than 30 seconds. (Normal : max.10sec)	1. Drive circuit of Cleaner Solenoid. IC501-#98
0B	Supply Reel fault	The condition that the amount of tape running is less than one-eighth of specification according to operationed mode lasts more than 5 seconds.	1. Reel motor doesn't rotate. ->Drive circuit : P614(S*) P615(T*)
0C	Take-up Reel fault		2. Reel brake isn't released. ->Drive circuit : P605(S*) P608(T*) 3. Cassette is not loaded correctly on a reel. 4. Tape is stacked to drum.
0D	Capstan fault	The condition that FG frequency is less than half or more than twice of specification lasts more than 1.5 seconds.	1. Capstan doesn't rotate. ->Drive circuit : P616 2. No capstan FG. ->P616-#1 and #3
0E	Cylinder fault	The condition that FG frequency is less than half or more than twice of specification lasts more than 3 seconds, even after cylinder has rotated more than 2 seconds.	1. Cylinder doesn't rotate. ->Drive circuit : P613 2. No cylinder FG. ->P613-#9
0F	Loading fault	Loading or Unloading is not completed within less than 10 seconds.	1. Loading motor doesn't rotate. ->Drive voltage P611 2. Take-up reel torque is over specification.

**Note :** Connectors and ICs are located on Servo board.

S\* : Supply Reel

T\* : Take-up Reel

# : Pin No.

# SECTION 3

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## MAINTENANCE / □ DISASSEMBLE PROCEDURES

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**Please refer to the DVCPRO Mechanism Service Manual, Order No.VSD9912M914,  
for Maintenance and Mechanical adjustment procedures.**



### 3-1. Maintenance Schedule

No.	Name	Part Number	Using Hours (hrs)					
			2,000	4,000	6,000	8,000	10,000	12,000
	Tape Path Cleaning		%Clean the Tape Path at each 500 hours					
1	Cylinder Unit	VEG1498	O	O	O	O	O	@
2	Pinch Arm Unit	VXL2835		O#		O#		@
3	Cleaning Arm Unit	VXL2924	O	O	O	O	O	@
4	S Reel(Rotor Unit)	VEM0629			O			@
5	T Reel(Rotor Unit)	VEM0630			O			@
6	S Brake Arm Unit	VXL2705			O			@
7	T Brake Arm Unit	VXL2706			O			@
8	Thrust Screw Unit	VXQ0556			O\$			@
9	Mech Chassis Unit (NTSC)	VXY1308						O
10	Mech Chassis Unit (PAL)	VXY1229						O

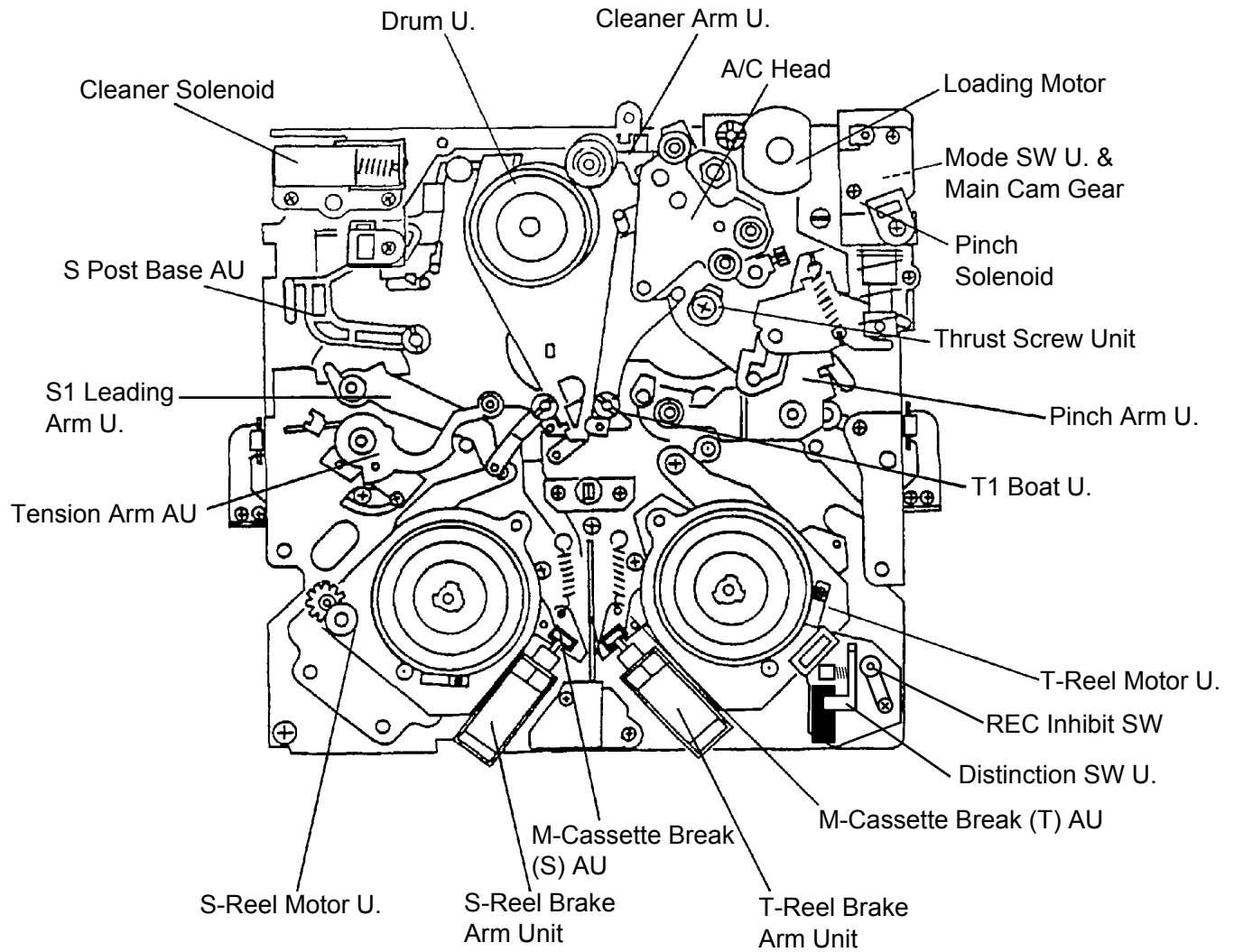
**Note:** Hours of Use are based on the head rotation hours.

Hours of Use are recommendation. It may depend on temperature, humidity or dusty.

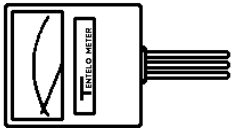
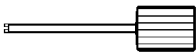
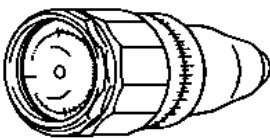

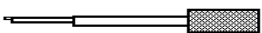

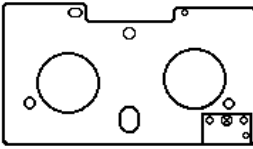
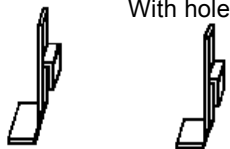
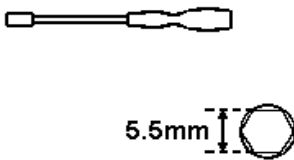
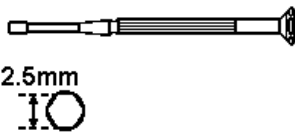
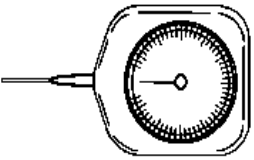

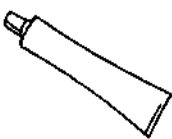
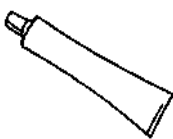
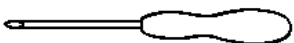
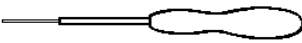
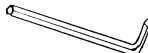
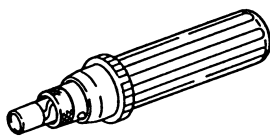
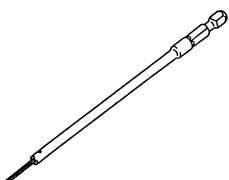
Hours of Use are listed as the reference of maintenance. They do not mean guarantee hours.

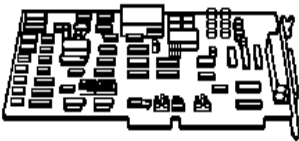
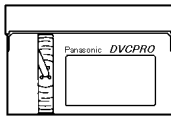

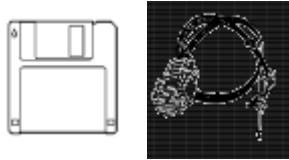
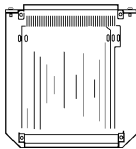
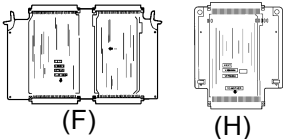


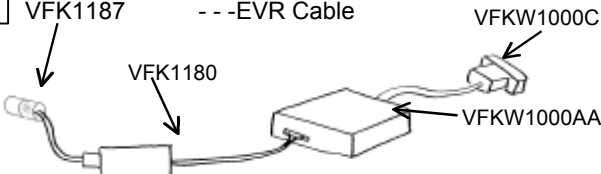


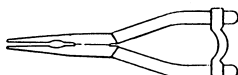
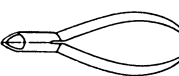
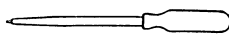

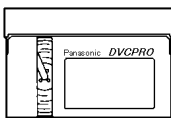

Symbol	Maintenance	Remark
O	Replacement	
@	Replacement	These parts included in Mech Chassis Unit
#	Greasing	Wipe the old grease and apply new grease
%	Cleaning	This mark means cleaning is necessary
\$	Lubrication	The lubrication is necessary

## 3-2. Parts Location



### 3-3. Jigs and Tools List

<p>1 VFK1145 Back Tension Meter</p>  <p>Model:T2-M30-P</p>	<p>2 VFK1149 Post Driver</p> 	<p>3 VFK71 (150g) 4 VFK1191(45g) Dial Torque Gauge</p> 	<p>5 VFK1152 Dial Torque Gauge Adapter</p> 
<p>6 VFK0357(1.5phi) Eccentric Screwdriver</p> 	<p>7 VFK1154 Post Height Fixture</p> 	<p>8 VFK1153 Mech Neutral Plate(Post)</p> 	<p>9 VFK0906 OIL</p>
<p>10 VFK1155 (REV, Silver) 11 VFK1156 (PLAY, Black) 12 VFK1208(Neutral,Black With hole)</p>  <p>(Gold) (Black)</p>	<p>13 VFK1150 Nut Driver(5.5mm)</p>  <p>5.5mm</p>	<p>14 VFK1151 Nut Driver(2.5mm)</p>  <p>2.5mm</p>	<p>15 VFK1188(30g) Dial Tension Gauge</p> 
<p>16 VFK0948(or purchase locally) Check Light</p> 	<p>17 VFK0749 Froiral Grease(White) (for plastic part)</p> 	<p>18 MOR265 Morlytone Grease(Black) (for metal part)</p> 	<p>19 VFK1146 (00 x 75) 20 VFK1147 (0 x 100) Philips Driver</p> 
<p>21 VFK1148(1.5mm) 22 VFK1178(0.89mm) 23 VFK1179(0.71mm) Hex. Driver</p> 	<p>24 VFK1190 (1.5mm) Hex. Wrench</p> 	<p>25 VFK1209 Torque Driver(0.4-3Kg)</p> 	<p>26 VFK1375 Post Axis Driver(1.5mm)</p> 

<div>27</div> <div>VFK1300</div> <div>A/D Converter Board</div> <div>(For Quatech. DAQ-12)</div> <div>Purchase Locally)</div> <div></div>	<div>28</div> <div>VFM3580KM</div> <div>29</div> <div>VFM3581KM</div> <div>30</div> <div>VFM3582KM</div> <div>DVC PRO Alignment Tape</div> <div>(NTSC)</div> <div></div>	<div>31</div> <div>AJ-CL12MP</div> <div>Cleaning Tape</div> <div></div>	<div>32</div> <div>VFK1159</div> <div>LISTA Software</div> <div>33</div> <div>VFK1186</div> <div>LISTA Cable</div> <div></div>
<div>34</div> <div>VFK1194</div> <div>Extension Board</div> <div></div>	<div>35</div> <div>VFK1192 ---(F)</div> <div>36</div> <div>VFK1193 ---(H)</div> <div>Extension Board</div> <div></div> <div>(F) (H)</div> <div>Use for AJ-D750</div>	<div>37</div> <div>VFK1162</div> <div>EVR Tool Software</div> <div></div>	<div>38</div> <div>VFK1158</div> <div>B.E.R. Counter Tool</div> <div>39</div> <div>VFK1185</div> <div>B.E.R. Counter Cable</div> <div></div>
<div>40</div> <div>VFKW1000AA -- -EVR I/F Box Unit</div> <div>41</div> <div>VFKW1000C -- -EVR RS232C Cable</div> <div>42</div> <div>VFK1180 -- -EVR SUB I/F Unit</div> <div>43</div> <div>VFK1187 -- -EVR Cable</div> <div></div> <div>VFKW1000C</div> <div>VFKW1000AA</div> <div>VFK1180</div>		<div>44</div> <div>VFK1210</div> <div>Multi-Canon Cable</div> <div></div>	<div>45</div> <div>VFK0369</div> <div>Tweezers</div> <div></div>
<div>46</div> <div>VFK0371</div> <div>Radio Prier</div> <div></div>	<div>47</div> <div>VFK0372</div> <div>Cutter Prier</div> <div></div>	<div>48</div> <div>VFK0338</div> <div>Trimmer Adjustment Driver</div> <div></div>	<div>49</div> <div>VFK0337</div> <div>Philips Driver</div> <div></div>
<div>50</div> <div>VFK1423</div> <div>Tape Big/End Det.</div> <div>Cassette</div> <div></div>	<div>51</div> <div>VFM3680KM</div> <div>52</div> <div>VFM3681KM</div> <div>53</div> <div>VFM3682KM</div> <div>DVC PRO Alignment</div> <div>(PAL)</div> <div></div>		

### 3-3. JIG & TOOLS

Fig	ITEM	PART No.	JIG & EQUIPMENT	AJ-D610W	AJ-D750	Remark
1		VFK1145	Back Tension Meter(T2-M30-P)	yes	yes	
2		VFK1149	Post Driver	yes	yes	
3		VFK71	Dial Torque Gauge(150g)	yes	yes	
4		VFK1191	Dial Torque Gauge(45g)	yes	yes	
5		VFK1152	Dial Torque Gauge Adaptor	yes	yes	
6		VFK0357	Eccentric Screwdriver(1.5)	yes	yes	
7		VFK1154	Post Height Fixture	yes	yes	
8		VFK1153	Mech. Neutral Plate(Post)	yes	yes	
9		VFK0906	Oil	yes	yes	
10		VFK1155	REV Position Tool(Silver)	yes	yes	
11		VFK1156	PLAY Position Tool(Black)	yes	yes	
12		VFK1208	Neutral Position Tool(Black With Hole)	yes	yes	
13		VFK1150	Nut Driver(5.5mm)	yes	yes	
14		VFK1151	Nut Driver(2.5mm)	yes	yes	
15		VFK1188	Dial Tension Gauge(30g)	yes	yes	
16		VFK0948	Check Light	yes	yes	
17		VFK0749	Froiral Grease (for plastic)	yes	yes	
18		MOR265	Morlytone Grease (for metal)	yes	yes	
19		VFK1146	Philips Driver(Fine)(00-75)	yes	yes	
20		VFK1147	Philips Driver(Fine)(0-100)	yes	yes	
21		VFK1148	Hex.Driver(1.5)	yes	yes	
22		VFK1178	Hex.Driver(0.89)	yes	yes	
23		VFK1179	Hex.Driver(0.71)	yes	yes	
24		VFK1190	HEX. Wrench	yes	yes	
25		VFK1209	Torque Driver(0.4-3Kg)	yes	yes	
26		VFK1375	Post Axis Driver(1.5mm)	yes	yes	Instead of VFK0912
27		VFK1300	A/D Board (DAQ-12, Quatech)	yes	yes	Purchase locally
28		VFM3580KM	Alignment Tape(No.1) : NTSC	yes	yes	
29		VFM3581KM	Alignment Tape(No.2): NTSC	yes	yes	
30		VFM3582KM	Alignment Tape(No.3): NTSC	yes	yes	
31		AJ-CL12MP	Cleaning Tape	yes	yes	SALES
32		VFK1481	LISTA Software	yes	yes	
33		VFK1186	LISTA CABLE	yes	yes	
34		VFK1194	EXTENSION BOARD	yes	no	
35		VFK1192	F EXTENSION BOARD	no	yes	
36		VFK1193	H EXTENSION BOARD	no	yes	
37		VFK1162	EVR Tool Software	yes	no	
38		VFK1158	B.E.R. Counter Tool	yes	no	
39		VFK1185	B.E.R. Counter Cable	yes	no	
40		VFKW1000A	EVR I/F Box Unit	yes	no	
41		VFKW1000C	EVR RS232C Cable	yes	no	
42		VFK1180	EVR SUB I/F Unit	yes	no	
43		VFK1187	EVR Cable	yes	no	
44		VFK1210	Multi-Canon Cable	yes	no	
45		VFK0369	Tweezers	yes	yes	
46		VFK0371	Radio Prier	yes	yes	
47		VFK0372	Cutter Prier	yes	yes	
48		VFK0338	Trimmer Adjustment Driver	yes	yes	
49		VFK0337	Philips Driver	yes	no	
50		VFK1423	Tape Big/End Det. Cassette	yes	yes	
51		VFM3680KM	Alignment Tape(No.1):PAL	yes	yes	
52		VFM3681KM	Alignment Tape(No.2):PAL	yes	yes	
53		VFM3682KM	Alignment Tape(No.3):PAL	yes	yes	

### 3-4. Table of Test Point for Mechanical Adjustment

<Table of Test Point>

Name		AJ-D610WA		
[ Format Select ]				
Format Select		SERVO SW901	NTSC 1: ON 2: OFF	PAL
[ Reel Torque Adjustment ]				
S-Side	Reel Voltage	SERVO : TP301		
	Adjust Point	SERVO : VR502		
T-side	Reel Voltage	SERVO : TP302		
	Adjust Point	SERVO : VR501		
GND		SERVO : TG301		
[ Tension Arm Adjustment ]				
TENSION		SERVO : TP402		
TENSION OFFSET		SERVO : VR402		
TENSION GAIN		SERVO : VR401		
[ Photo Sensor Voltage Adjustment ]				
S-Side	Sensor Voltage	SERVO : TP503		
	Adjust Point	SERVO : VR503		
T-side	Sensor Voltage	SERVO : TP504		
	Adjust Point	SERVO : VR504		
[ Tape Pass, A/C Head Adjustment ]				
RP-ENV		RF : TP500		
RP-ENV		RF : TP300		
CUE		LCD : TP505		
LIVE-CTL		SERVO : TP107		
[ PG Shifter Adjustment ]				
TSR		SERVO : TP501		
SPA		SERVO : TP102		
PG SHIFT		SERVO : VR101		
[ LISTA Adjustment ]				
ATF ERR		SERVO : TP601		
TRG(R/P HSW)		SERVO : TP113		
GND		SERVO : TG300		
ATF GAIN		LISTA Software		

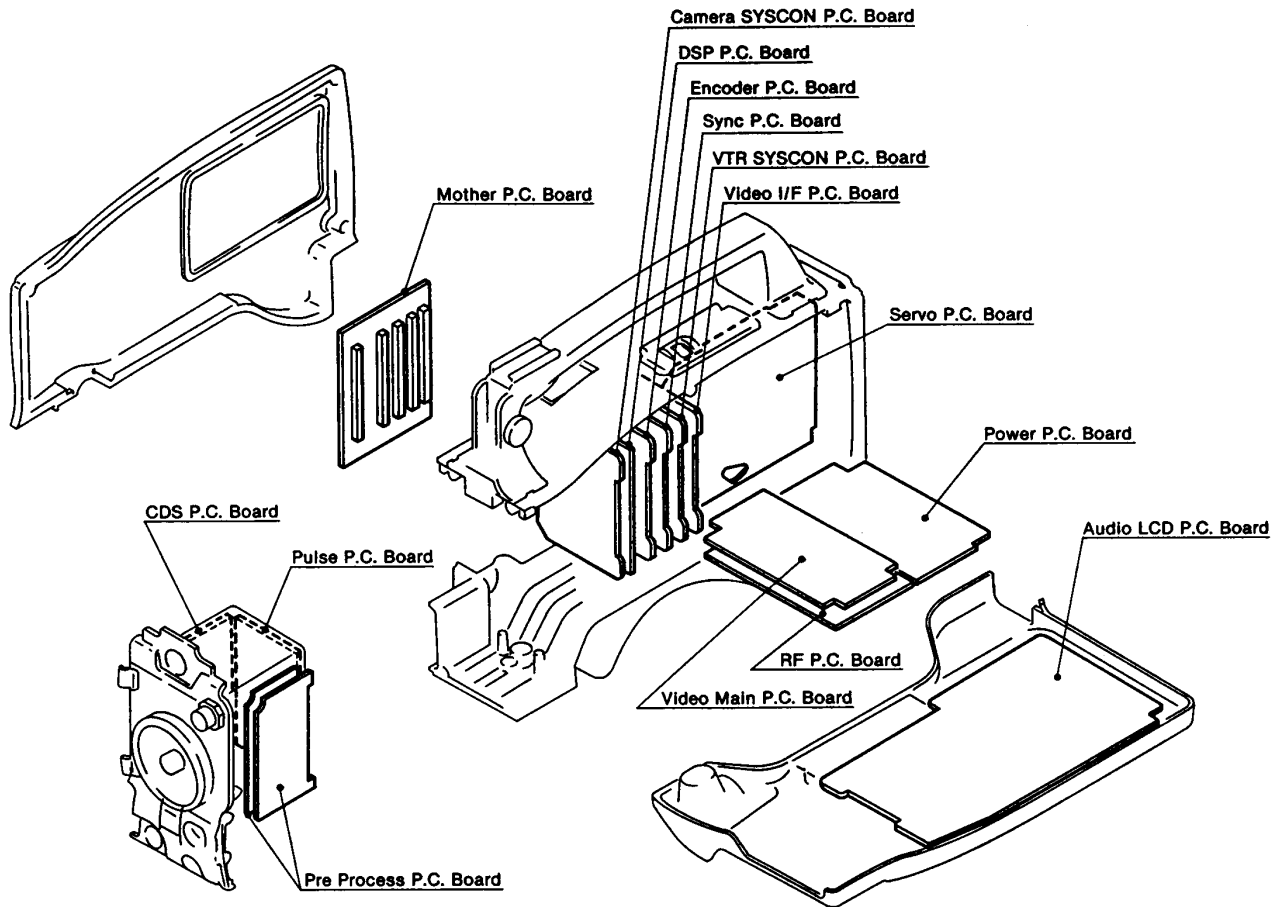
<How to set the Reel Adjustment Mode>

Adjustment Name	Adjustment Mode	
	Adjustment Mode Name	Mode Change Procedure
Reel Torque Adjustment	Reel Adjustment Mode	(1) Short the TP505 and TP116 with power OFF. (2) Turn ON the power and playback.

<How to set the LISTA Adjustment Mode>

Adjustment Name	Adjustment Mode	
	Adjustment Mode Name	Mode Change Procedure
Sens. Adjustment (R/P Head)	"RP GAIN P"	(1) Short the TP902 and TP116 with power OFF. (2) Turn ON the power and playback.
Linearity Adjustment	"RP LINEAR P"	(1) Short the TP902, TP116 and TP101 with power OFF. (2) Turn ON the power and playback.

## 3-5. Boards Location



## 3-6. Alignment Tapes

### DVCPRO Alignment Tape

#### VFM3580KM (NTSC)

Time (min)	Video		PCM		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar SMPTE(75%)	Composite Video Level Confirmation	1kHz - 20dB	Audio Level Confirmation	1kHz 0VU	CUE Level Confirmation
7:00	Color Bar Full Field(75%)	Component Video Level Confirmation				
14:00	H Sweep	Frequency Response			6kHz 0VU	A/C Head Azimuth
18:00	Bowtie(500k)	Y/C Timing			-10dB, 1kHz 50Hz~15kHz	Frequency Response
22:00	Pulse&Bar	Y/C Timing				
26:00	Area Markers					
30:00						

#### VFM3581KM (NTSC)

Time(min)	Signal
0:00~20:00	ITI Pattern

#### VFM3582KM (NTSC)

Time(min)	Signal
0:00~10:00	X Value

#### VFM3680KM (PAL)

Time (min)	Video		PCM		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar 100%	Video Level Confirmation	1kHz -18dBu	Audio Level Confirmation	1kHz Reference level	CUE Level Confirmation
10:00	H Sweep	Frequency Response			6kHz Reference level	A/C Head Azimuth
14:00	Area Markers					
18:00	Bowtie(500k)	Y/C Timing			1kHz 300Hz~6kHz	Frequency Response
22:00	Pulse & Bar	Y/C Timing				
26:00	Multi Pulse	Y/C Timing				
30:00						

#### VFM3681KM (PAL)

Time (min)	Signal
0:00 ~ 20:00	ITI Pattern

#### VFM3682KM (PAL)

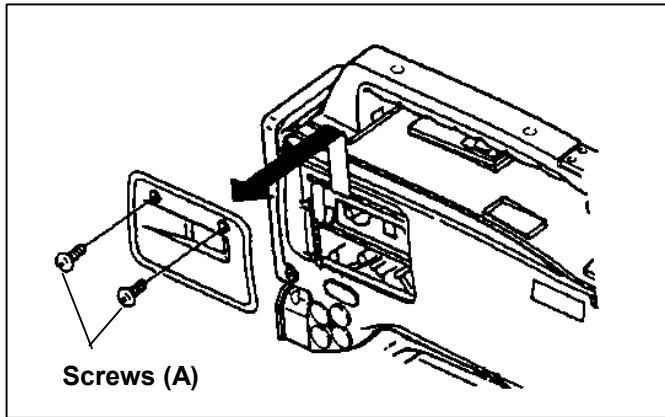
Time (min)	Signal
0:00 ~ 10:00	X Value



## 3-7. Disassembly Procedures

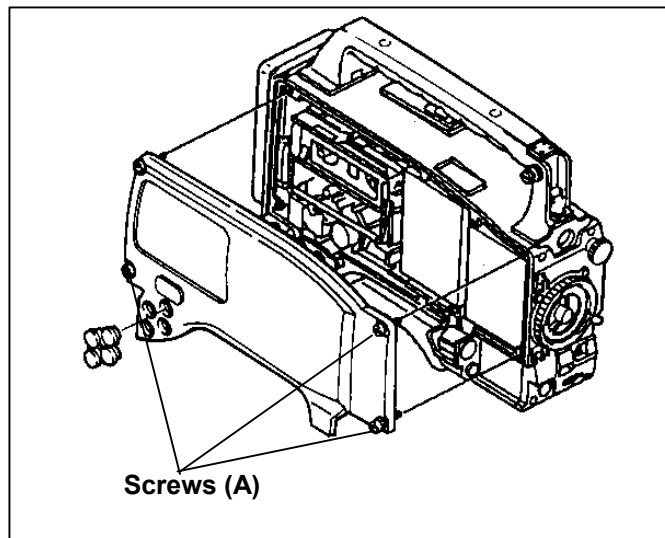
### 3-7-1. Removal of Cassette Cover

Remove the 2 screws (A). Slide the cover upward and remove it.



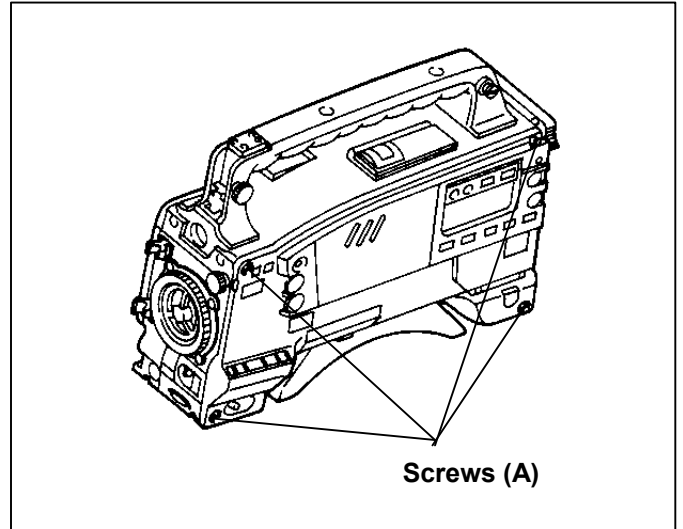
### 3-7-2. Removal of Left Side Panel

After removing the cassette cover according to item 6-1., loosen the 4 screws (A) and remove the panel.

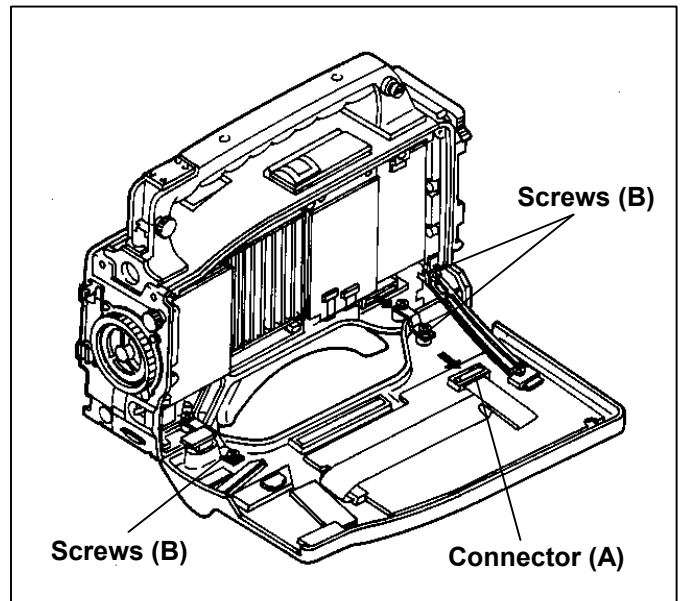


### 3-7-3. Removal of Right Side Panel

Loosen the 4 screws (A) and remove the panel.

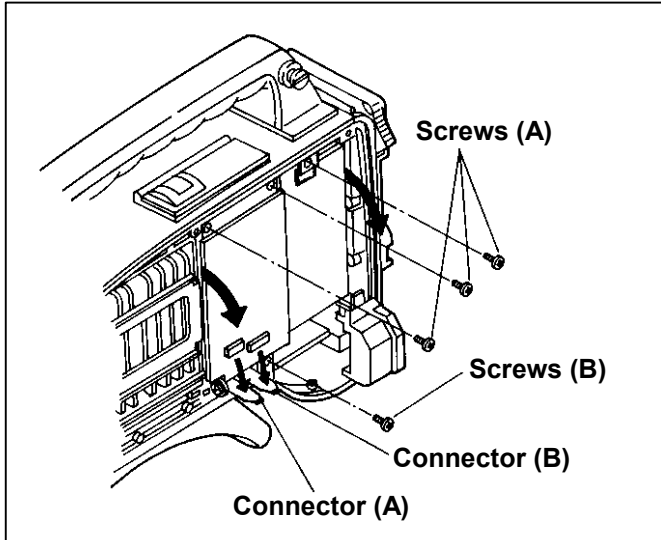


Remove the 3 screws (B) and disconnect the connector(A), then remove the Right Side Panel.

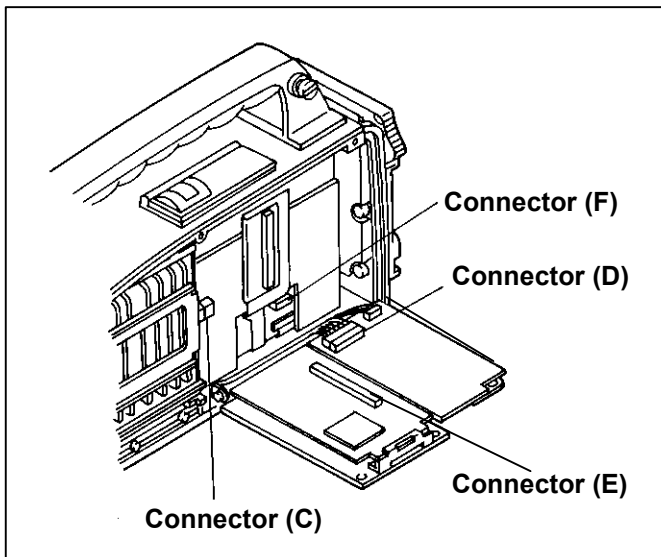


### 3-7-4. Removal of Mechanical Chassis Unit

After removing the right side panel according to item 6-3., disconnect the connectors (A) and (B) on the RF P.C.Board. Remove the 3 screws (A) and the screw (B) and lay down the boards.

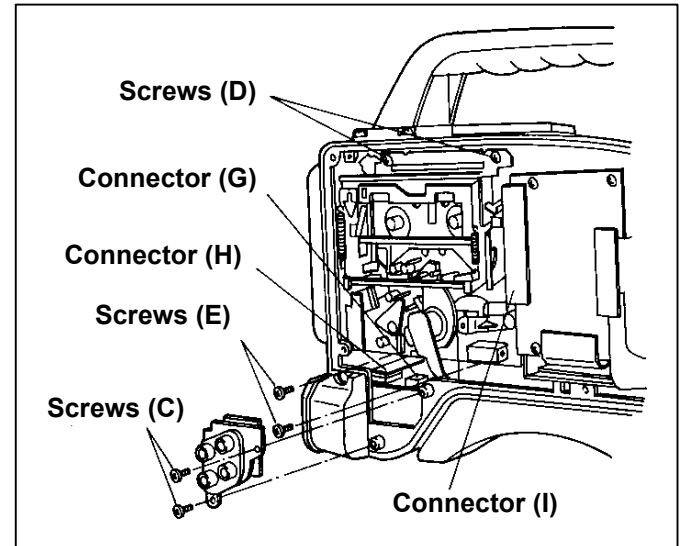


Disconnect the connectors (C), (D), (E) and (F).



After removing the left side panel according to item 6-2., remove the 2 screws (C) for pull out BNC terminal and disconnect the connector (G) and (H) on the Rear Jack P.C.Board. Disconnect the connector (I) on the Mother P.C.Board. and loosen the 2 screws (D) and remove the 2 screws (E).

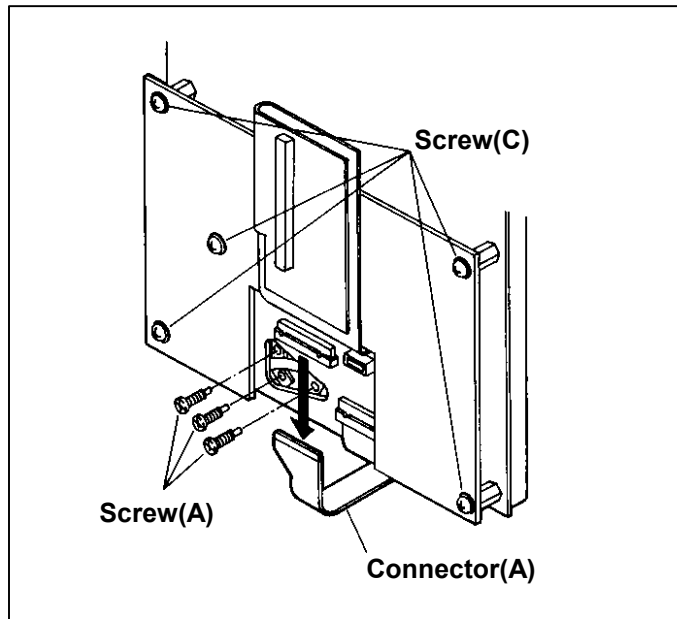
Remove the mechanical chassis with care not to scratch the any connectors and cables.



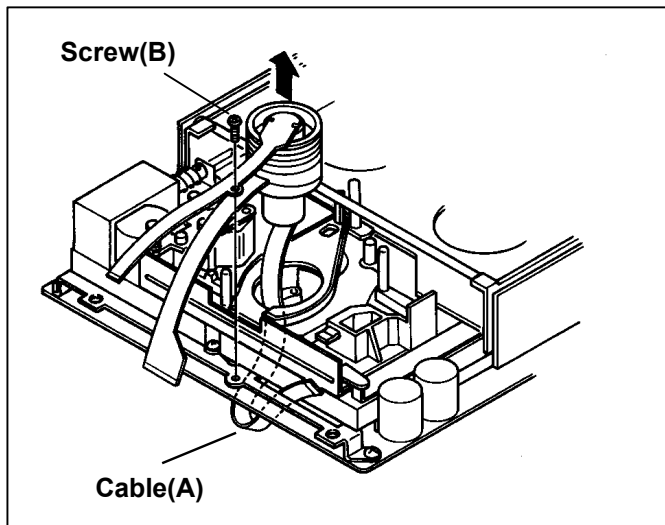
Note : When the mechanical chassis unit installed, confirm the connector P1001 on the Rear Jack P.C.Board connected correctly.

### 3-7-5. Removal of Drum Unit

After removing the mechanical chassis according to 6-4, Lift up the flexible cable for remove the 3 screws as shown as below figure. Disconnect the connector (A) and the 3 screws (A).

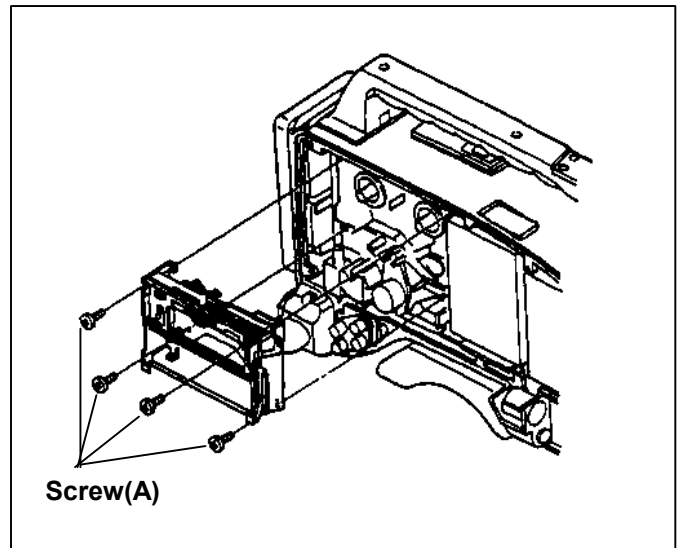


Remove the 2 screws and remove the T1 Guide. Remove the screw (B) and the drum unit with care not to scratch the cable (A).



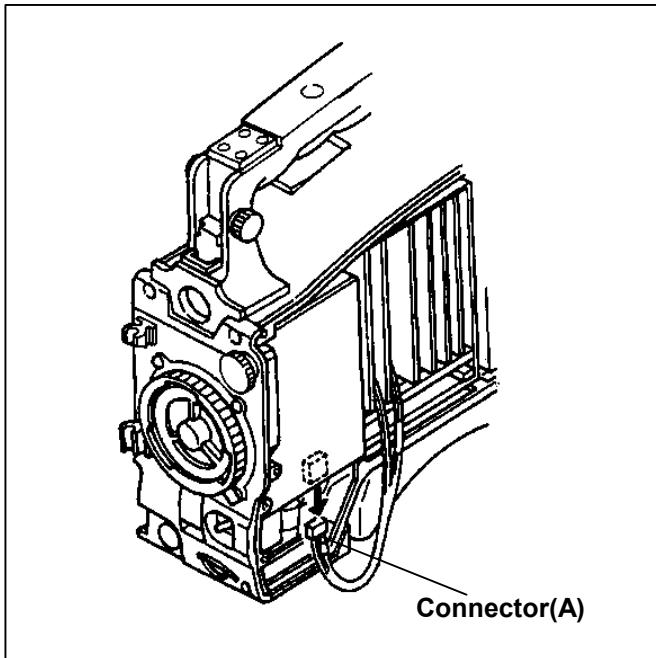
### 3-7-6. Removal of Cassette Up Unit

After removing the left side panel according to 6-2., loosen the 4 screws (A) and remove the panel.

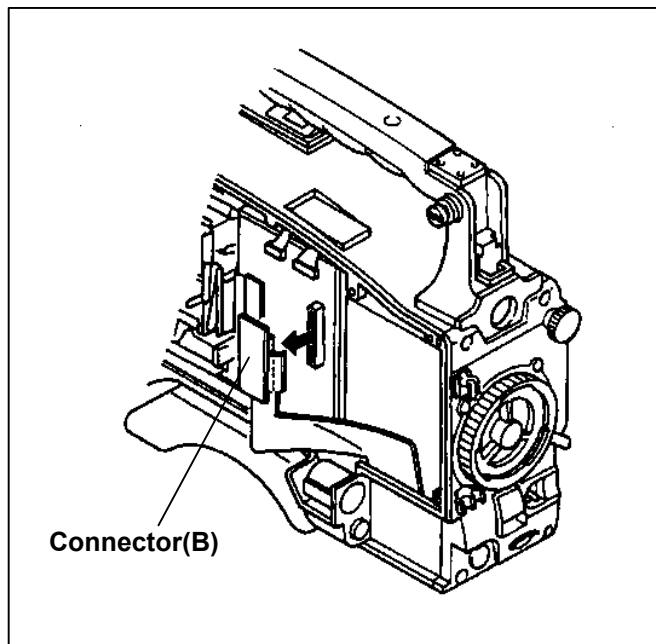


### 3-7-7. Removal of Camera Unit

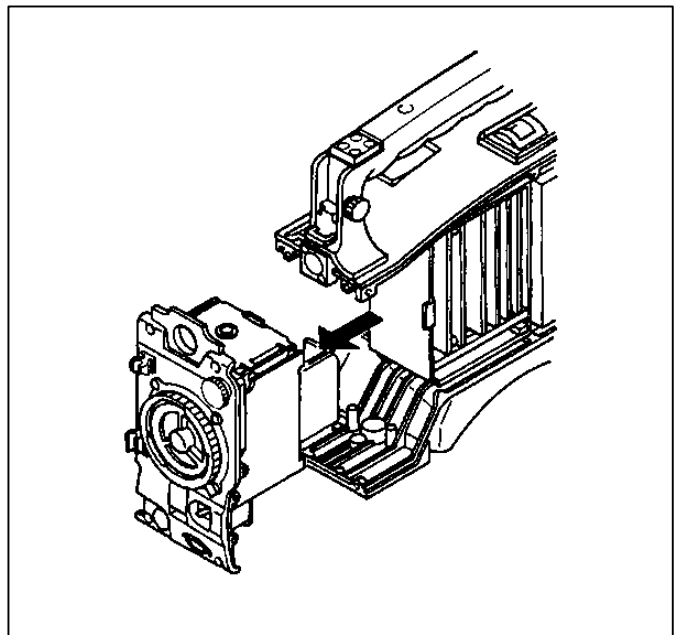
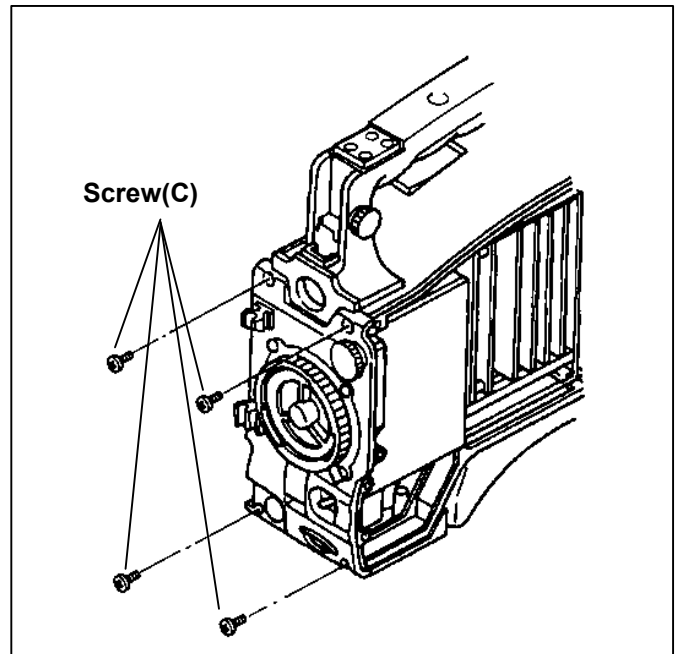
After removing the both panels according to item 6-2. and 6-3., disconnect the connector (A).



Disconnect the connector (B).



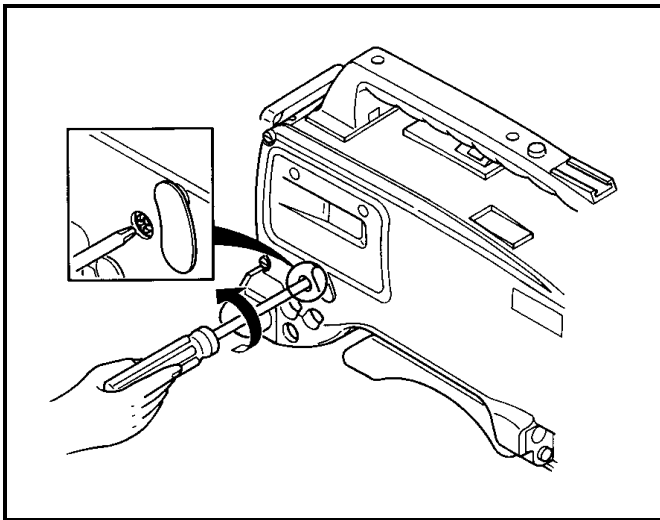
Remove the 4 screws (C) and pull out the camera unit.



## 3-8. Emergency Eject

If the cassette tape cannot be ejected with pressing EJECT button or the cassette tape may be damaged by ejecting it, the cassette tape should be ejected out by the following steps.

1. Turn the power off.
2. Open the rubber cap above the GEN LOCK IN connector. Push in and rotate the red screw counterclockwise.
3. The tape is unloaded with click.
4. Continue until the cassette tape is ejected.

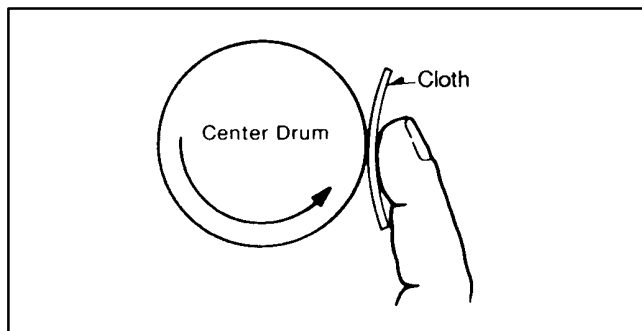


## 3-9. Cleaning Procedures

Make sure the power is OFF before cleaning. Use ethanol(more than 99%) as cleaning liquid.

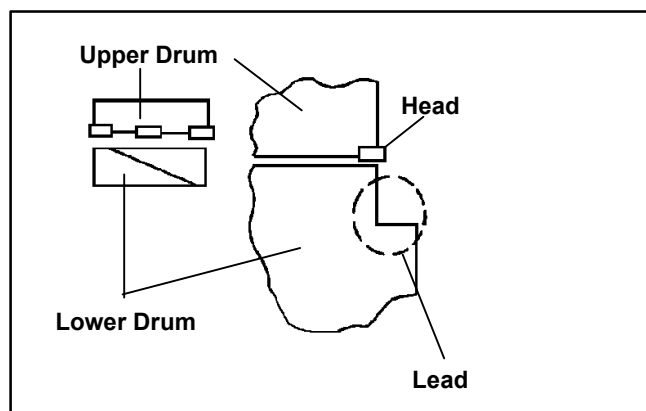
### 3-9-1. Cleaning of Head Chips : (Daily)

Clean heads by applying even pressure and rotating cylinder a few times. Never wipe in up and down motion. Never touch a cylinder by naked hand. First wipe with a cloth soaked by cleaning liquid. Then wipe with dry cloth.



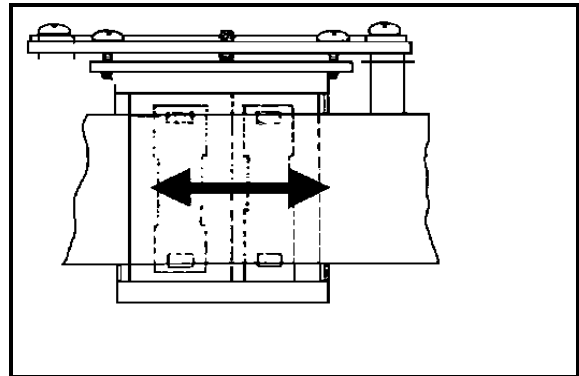
### 3-9-2. Cleaning of Drum Lead : (Weekly)

Be careful not to touch a head chip. Clean the drum lead with a pick.



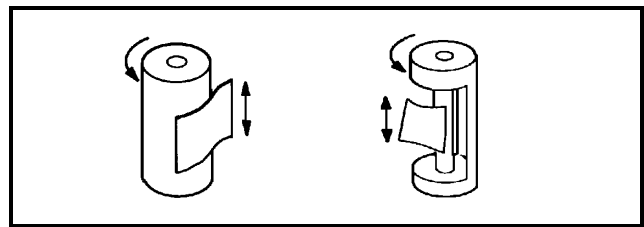
### 3-9-3. Cleaning of A/C Head : (Weekly)

Wipe the A/C head with a cloth soaked by cleaning liquid. Wipe again with a dry cloth.



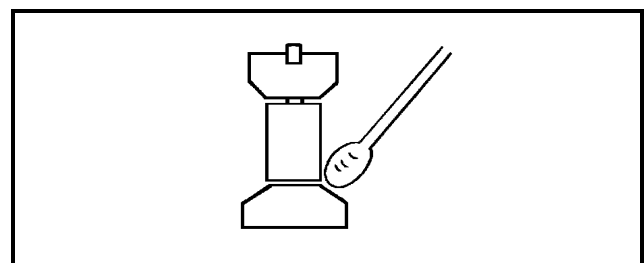
### 3-9-4. Cleaning of Pinch Roller and Capstan : (Weekly)

Wipe the Pinch Roller and Capstan with a cloth soaked by cleaning liquid.



### 3-9-5. Cleaning of Post : (Weekly)

Wind a cloth on a pick. Wipe each post dry with that pick. Wipe again with a dry cloth. For metal posts wipe with cleaning liquid. Then wipe dry again.



#### NOTE:

The Cleaning Cloth can be ordered as spare part. The Part number indicated as below.

CLEANING CLOTH : VZZ0095

# SECTION 4

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## ELECTRICAL ADJUSTMENT PROCEDURES

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# Electrical Adjustment Procedures

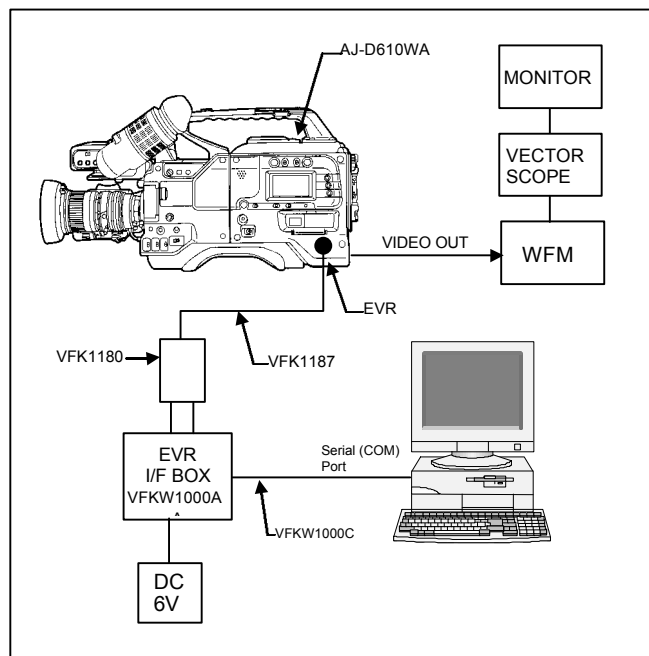
## Recommended Test and Measuring Equipment

The following test and measuring equipment are required to conduct the electrical adjustments.

Model No. or Equivalent	Equipment	Remark
	Dual Trace Oscilloscope	More than 400MHz
1750,1760 or 1780R (For NTSC) 1751,1761 or 1781R (For PAL)	WFM (Waveform Monitor)	Made by TEKTRONIX
1750,1760 or 1780R (For NTSC) 1751,1761 or 1781R (For PAL)	Vector Scope	Made by TEKTRONIX
1750,1760 or 1780R (For NTSC) 1751,1761 or 1781R (For PAL)	SCH Meter	Made by TEKTRONIX
	Audio Analyzer	
	Digital Volt Meter (D.V.M.)	
	Frequency Counter	
MINOLTA	Color Pyrometer and LUX Meter	20-20,000LUX
VFK0645	Grayscale Chart	11 Steps, Gamma=0.45 Black=2.0% Reflection
	Lighting	2000LUX, 3200K(500W)
PORTA PATTERN	Light Box(Spherical Type)	White Flat Pattern without any Shading
	Transparency Charts (Inmega chart) for Light Box	
VFK1194	Extension Board	
CANON or FUJINON	Zoom Lens	With Extender (x1 to x2) & Ratio Converter (x0.8)
VFM3580KM (for NTSC) VFM3680KM (for PAL)	Alignment Tape	
VFK1423	Tape Begin / End Det. Cassette	No capability

## Connection of the Tool

1. Turns power of Camera Recorder and the EVR Tool off, then connect the cables as shown below. The EVR connector is located on the left side panel.



2. Turns power of PC and the EVR tool on, then turns power of VTR on.
3. While pressing [SHIFT],[+],[ -] keys, set Menu switch.
4. Press PAGE button to open SERVICE ADJ. Menu, then change the EVR connect menu to ON. After setting, set the MENU switch OFF.
5. Go to DOS mode and execute CAM\_TOOL.EXE to start EVR program.  
C:/>CAM\_TOOL **ENTER**
6. The software asks some questions and answer for the question until opening the MAIN MENU. (If the bar graph did not reach 100%, and did not open the Main Menu, turns on and off of I/F Box, VFKW1000AA, and start the EVR program again.)

## Function Explanation(Ver. 3.2)

### MAIN MENU

1. BACK UP (DOWN LOAD) RAM DATA.
2. RESTORE (UPLOAD) RAM DATA.
3. PREPARATION OF ADJUSTMENT.
4. START ADJUSTMENT.
5. ELECTRICAL ADJUSTMENT.
6. E.V.R. DIRECT FUNCTIONS.
7. BACK UP (DOWN LOAD) RAM DATA. < OPTION >
8. RESTORE (UPLOAD) RAM DATA < OPTION >
9. CREATE ADJUSTMENT ITEM <PRODUCTION>
10. START ADJUSTMENT <PRODUCTION>

- 1,2 : VTR's RAM DATA is backed up and restored. Back up data is named as , SAV.".SAV" is automatically added. However, the White / Black shading data can not be downloaded.
- 3~5 : Not supported.
6. : Refer to next page.
- 7,8 : Not supported.
9. : Not supported.
10. : Not supported.

## EVR DIRECT FUNCTIONS

1. COMMAND INPUT FUNCTION

[ EVR FUNCTION ]

COMMAND : [00]

DATA : 00

ADDRESS : 00

[ MACRO FUNCTION ]

1. CAMERA RESET No. 1 [F1],[A]

2. CAMERA RESET No. 2 [F1],[B]

3. VF OUT [F1],[C]

4. MONITOR OUT LEVEL [F2],[0]

<<Page Up: INC Page Down: DEC >>

[↑] : Move To Up [↓] : Move To Down

[→] : Data Increment [←] : Data Decrement

[ESC] : Quit [Enter] : RAM Write

1. Select "6. EVR DIRECT FUNCTIONS" in the Main Menu.
2. Select "1. COMMAND INPUT FUNCTION" then above screen is displayed.
3. Adjustment contents are described in each adjustment section.
4. Press ESC key to exit the Menu.

### Note :

1. The changed EVR data is updated when power is on, so after adjustment power should be turned off and on.
2. The MACRO FUNCTION is used. The CAMERA reset No.1 and No.2 are not used. Even if these function is executed, camera is no problem.

## 4-1. Power

### 4-1-1. 3.0V Adjustment

Board	POWER
Specification	3.15V+/-0.05V
Test Point	TP13,TG1 (VIDEO MAIN Board)
Adjustment Point	VR1003(POWER Board)
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP13**, and its ground to **TG1** on the VIDEO MAIN Board, then adjust **VR1003** (POWER Board) so that the voltage is in the specification.

### 4-1-2. 5.0V Adjustment

Board	POWER
Specification	5.00V+/-0.10V
Test Point	TP9808 TG9801(INT CONNECT Board)
Adjustment Point	VR1005(POWER Board)
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9808**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1005** (POWER Board) so that the voltage is in the specification.

### 4-1-3. 3.6V Adjustment

Board	POWER
Specification	3.70V+/-0.05V
Test Point	TP9801 TG9801(INT CONNECT Board)
Adjustment Point	VR1036(POWER Board)
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9801**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1036** (POWER Board) so that the voltage is in the specification.

### 4-1-4. 17.5V Adjustment

Board	POWER
Specification	17.5V+/-0.10V
Test Point	TP9806 TG9801(INT CONNECT Board)
Adjustment Point	VR1016(POWER Board)-
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9806**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1016** (POWER Board) so that the voltage is in the specification.

### 4-1-5. -10.8V Confirmation

Board	POWER
Specification	-10.80V+/-0.40V
Test Point	TP9805 TG9801(INT CONNECT Board)
Adjustment Point	-
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9805**, and its ground to **TG9801** on the INT CONNECT Board, then confirm that the voltage is in the specification.

### 4-1-6. -3.8V Confirmation

Board	POWER
Specification	-3.80V+/-0.30V
Test Point	TP9802, TG9801(INT CONNECT Board)
Adjustment Point	-
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9802**, and its ground to **TG9801** on the INT CONNECT Board, then confirm that the voltage is in the specification.

#### 4-1-7. -5.6V Adjustment

<Memo>

Board	POWER
Specification	-5.70V+/-0.05V
Test Point	TP9804 TG9801(INT CONNECT Board)
Adjustment Point	VR1156(POWER Board)
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9804**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1156** (POWER Board)so that the voltage is in the specification.

#### 4-1-8. 5.6V Adjustment

Board	POWER
Specification	5.70V+/-0.05V
Test Point	TP9803 TG9801(INT CONNECT Board)
Adjustment Point	VR1056(POWER Board)
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9803**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1056** (POWER Board)so that the voltage is in the specification.

#### 4-1-9. 9.0V Adjustment

Board	POWER
Specification	9.00V+/-0.05V
Test Point	TP9807 TG9801(INT CONNECT Board)
Adjustment Point	VR1009(POWER Board)
Input Signal	CAMERA
Mode	REC
Tape	Blank Tape
M. EQ.	DVM

1. Connect a scope to **TP9807**, and its ground to **TG9801** on the INT CONNECT Board, then adjust **VR1009** (POWER Board)so that the voltage is in the specification.

## 4-2.CAMERA

### 4-2-1. Initial Setting

1. Set the Camera Recorder switches as shown below.

GAIN	: L ( 0dB )
OUTPUT	: CAM_ON
WHITE BAL	: PRESET
SHUTTER	: OFF
CC FILTER	: 1

2. The Illumination is 2000 lux.

### 4-2-2.SUB Voltage Initial Adjustment

Board	CCD PULSE
Specification	As shown bellow
Test Point	C41(+)[R ch] C54(+)[G ch] C42(+)[B ch]
Adjustment Point	VR8 [SUB R] VR9 [SUB G] VR10 [SUB B]
M. EQ.	DVM

1. Connect the Digital Volt Meter to C41 (+) terminal.  
And measure the DC voltage.
2. Adjust **VR8** so that the DC voltage is SUB voltage (XXX) + 0.6VDC.  
(The SUB voltage (XXX) is Indicated on the Filter case of the optical block.)

EXAMPLE :

SUB voltage (XXX)  
7.2V



Adj. Voltage  
7.8V

3. Perform the same adjustment for Gch and Bch.

### 4-2-3. OG Voltage Adjustment

Board	CCD PULSE
Specification	3.0V+/-0.05V
Test Point	TP8[R ch] TP7[G ch] TP6[B ch]
Adjustment Point	VR11 [OG R] VR12[OG G] VR13 [OG B]
M. EQ.	DVM

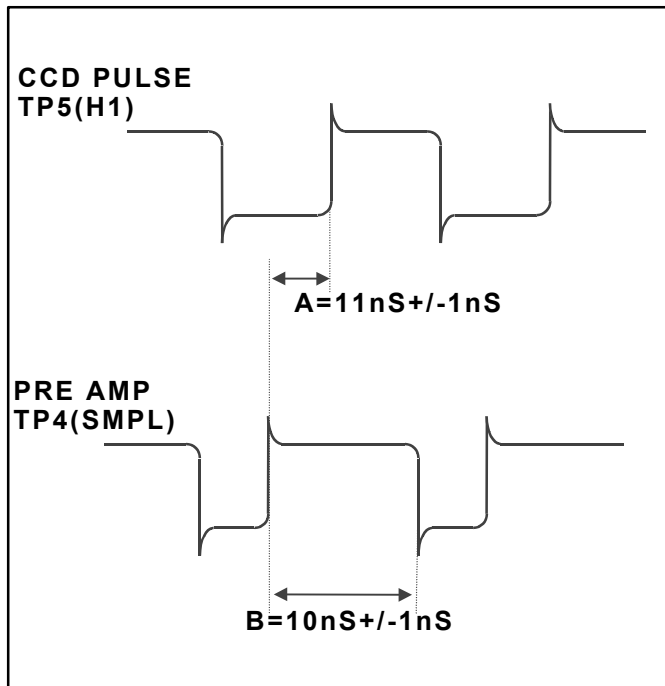
1. Connect the Digital Volt Meter (+) to **TP8** and (-) terminal to GND.
2. Adjust **VR11** so that the DC voltage is in the specification.
3. Perform the same adjustment for Gch and Bch.



#### 4-2-4. Sample Pulse Adjustment

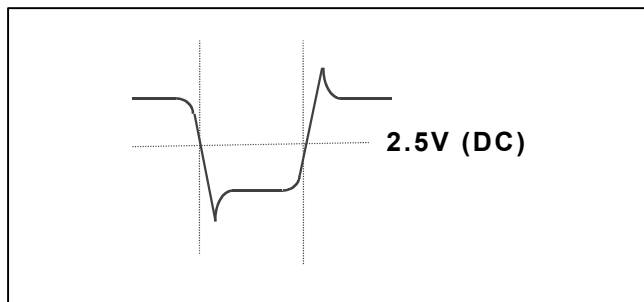
Board	CCD PULSE, PRE AMP
Specification	A = 11nS +/- 1nS B = 10nS +/- 1nS
Test Point	TP1 [SMPL] (PRE AMP) TP5 [H1] (CCD PULSE)
Adjustment Point	VR1 [CW] (CCD PULSE) VR3 [CP] (CCD PULSE)
M. EQ.	Oscilloscope

1. Adjust **VR1** so that the Pulse width B at **TP1** (SMPL) on the PERAMP Board is B=10nS +/- 1nS.
2. Adjust **VR3** so that the Phase difference **A** between **TP1** and **TP5** is A=11nS +/- 1nS.



#### NOTE

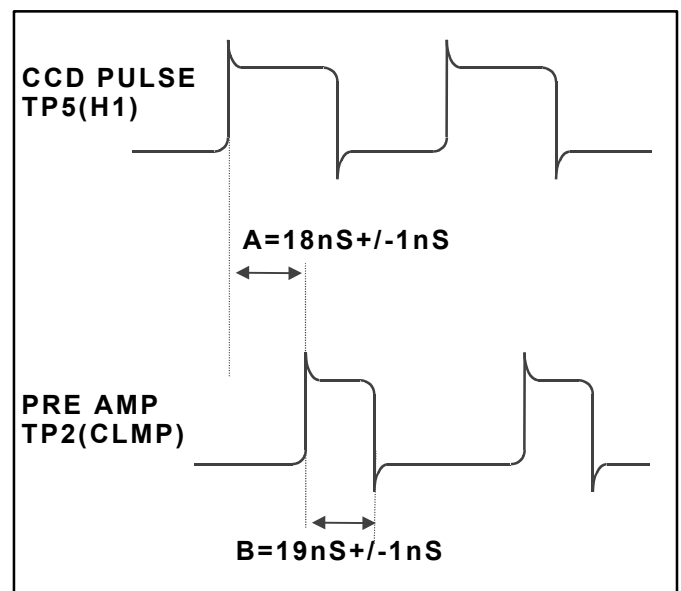
The observation of the phase below based on the DC 2.5V level .



#### 4-2-5. Clamp Pulse Adjustment

Board	CCD PULSE
Specification	A = 18nS +/- 1nS B = 19nS +/- 1nS C = Flat
Test Point	TP2 [CLMP] (PRE AMP) TP202 (PRE AMP) TP5 [H1] (CCD PULSE)
Adjustment Point	VR2[SW] (CCD PULSE) VR4[SP] (CCD PULSE)
M. EQ.	Oscilloscope

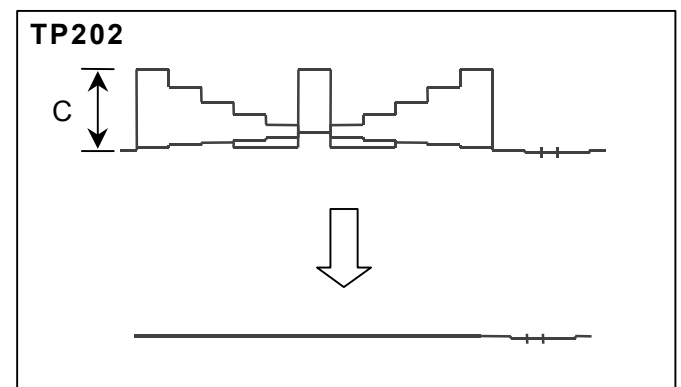
1. Adjust **VR2** so that the Pulse width **B** at **TP2** (CLMP) on the PERAMP Board is B=19nS +/- 1nS.
2. Adjust **VR4** so that the Phase difference **A** between **TP2** and **TP5** is A=18nS +/- 1nS.



#### NOTE

The observation of the phase below based on the DC 2.5V level .

3. Adjust **VR4** so that the signal height **C** at **TP202** is flat.



#### 4-2-6. Blooming Adjustment

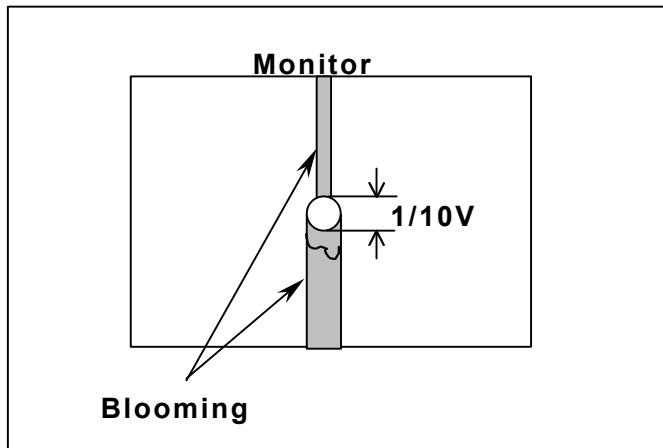
Board	CCD PULSE
Specification	No Blooming (No colored)
Test Point	CAM OUT
Adjustment Point	VR 8 [SUB R] (CCD PULSE) VR 9 [SUB G] (CCD PULSE) VR10 [SUB B] (CCD PULSE)
F.NBR.	Open
Shutter	1/2000
Chart	Halogen Light
M. EQ.	Monitor TV

1. Shoot the 500W halogen light and set the zoom position so that the halogen light size is approximately 1/10-2/10 at the vertical direction of the monitor as shown in figure.
2. Confirm that blooming is not appeared at the any position of the monitor screen as shown in figure.  
If blooming is appeared, adjust **VR8, 9 and 10** so that the blooming is disappeared.

If blooming color is RED, adjust **VR8**.

If blooming color is GREEN, adjust **VR9**.

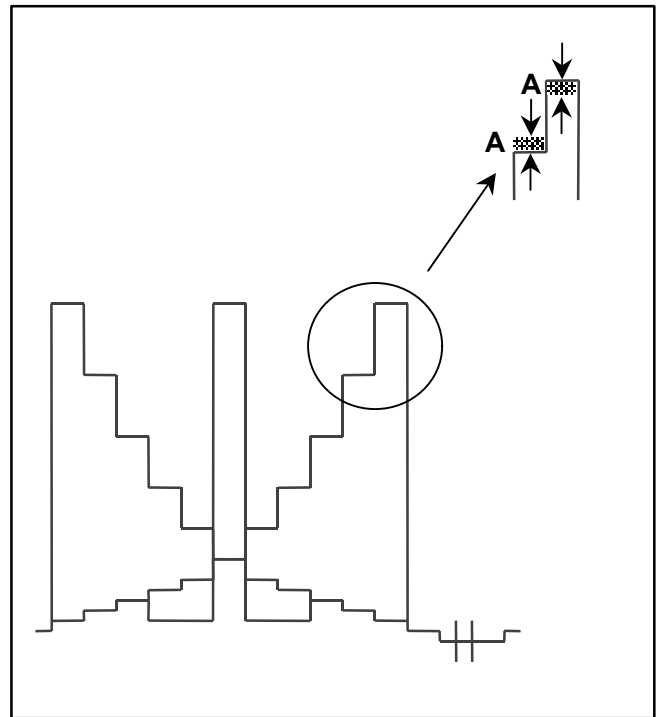
If blooming color is BLUE, adjust **VR10**.



#### 4-2-7. Carrier Reduce Adjustment

Board	PRE AMP
Specification	A = Minimum level
Test Point	TP103 [R-SH] TP203 [G-SH] TP303 [B-SH]
Adjustment Point	VC101 [R CRR] VC201 [G CRR] VC301 [B CRR]
F.NBR.	F11
Chart	Gray scale
M. EQ.	Oscilloscope

1. Adjust the **VC101** so that the level **A** at the **TP103** is minimum level.
2. Adjust the **VC201** so that the level **A** at the **TP203** is minimum level.
3. Adjust the **VC301** so that the level **A** at the **TP303** is minimum level.

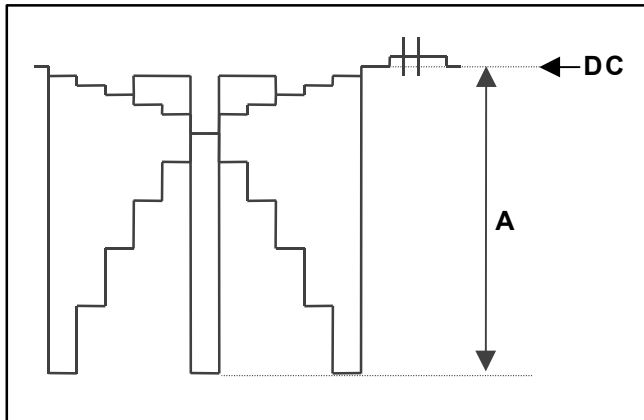


#### 4-2-8.RGB SH Level Adjustment

Board	PRE AMP, PRE PROCESS
Specification	A = 666mVp-p +/- 10mVp-p DC = 2.0V +/- 0.1V
Test Point	TP102 [R] (PRE PROCESS) TP302 [G] (PRE PROCESS) TP502 [B] (PRE PROCESS)
Adjustment Point	VR101 [R LVL] (PER AMP) VR201 [G LVL] (PER AMP) VR301 [B LVL] (PER AMP)
F.NBR.	F11-1/6 ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	Oscilloscope

(SH : Sampling and Hold)

1. Adjust **VR101** so that the Level A at **TP102** is in the Specification.  
Then confirm the DC Level is in the Specification.
2. Adjust **VR201** so that the Level A at **TP302** is in the Specification.  
Then confirm the DC Level is in the Specification.
3. Adjust **VR301** so that the Level A at **TP502** is in the Specification.  
Then confirm the DC Level is in the Specification.

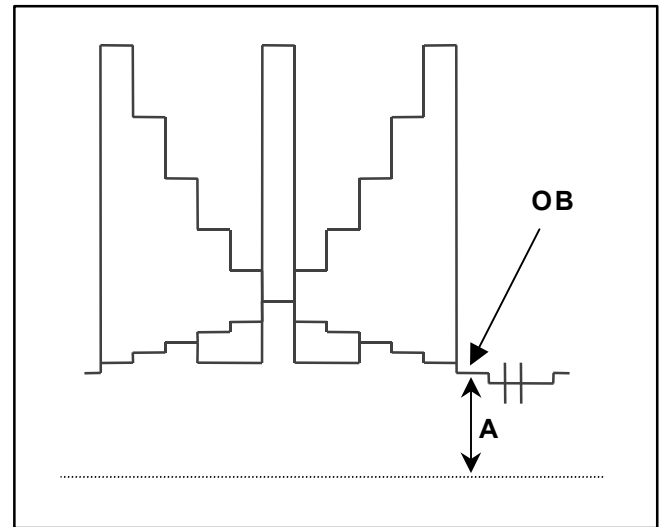


#### 4-2-9.RGB SH DC Adjustment

Board	PRE AMP
Specification	A = 150mV +/- 50mV dc
Test Point	TP103 [R-SH] TP203 [G-SH] TP303 [B-SH]
Adjustment Point	VR102 [R DC] VR202 [G DC] VR302 [B DC]
F.NBR.	F11 ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	Oscilloscope

(SH : Sampling and Hold)

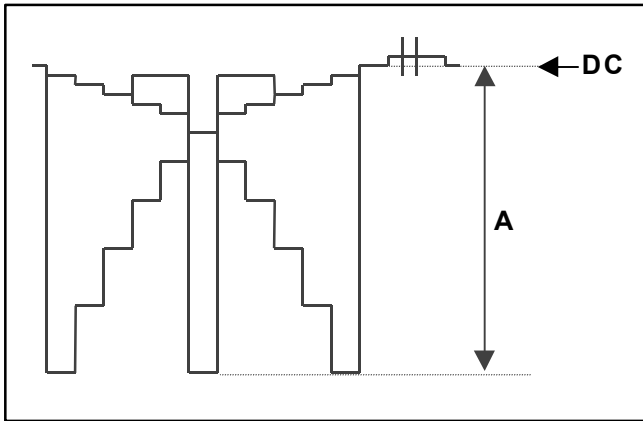
1. Adjust **VR102** so that the Level A (OB: Optical Black) at **TP103** is in the Specification.
2. Adjust **VR202** so that the Level A (OB: Optical Black) at **TP203** is in the Specification.
3. Adjust **VR302** so that the Level A (OB: Optical Black) at **TP303** is in the Specification.



#### 4-2-10.Double Lighting Level Adjustment

Board	PER AMP, PRE PROCESS
Specification	R,B ch level = G ch +/-20mV
Test Point	TP102 [R] (PRE PROCESS) TP302 [G] (PRE PROCESS) TP502 [B] (PRE PROCESS)
Adjustment Point	VR101 [R LVL] (PRE AMP) VR301 [B LVL] (PRE AMP)
F.NBR.	F8 ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	Oscilloscope

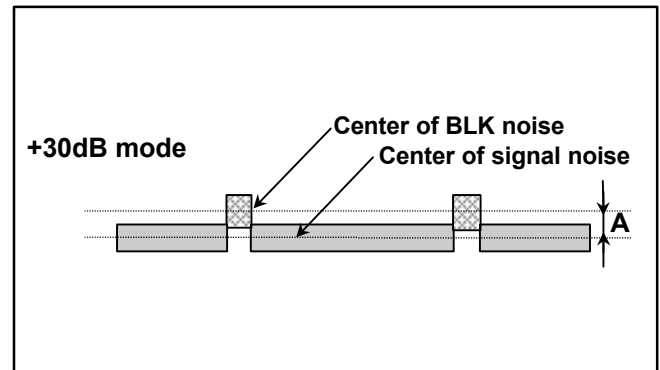
1. Set the Iris position so that the level **A** is 1330mV at the **TP302** (Gch).
2. Connect the scope to **TP102** (Rch). And confirm the level **A** is 1330mV+/-20mV.If it is not adjust **VR101** so that the Level A is in the Specification.
3. Perform the same adjustment for **TP502** (Bch).



#### 4-2-11.RGB BLK Adjustment

Board	PRE PROCESS
Specification	A = 0 +/- 20 mV (BLK difference)
Test Point	TP101 [R] TP301 [G] TP501 [B]
Adjustment Point	VR101 [R BLK] VR301 [G BLK] VR501 [B BLK]
F.NBR.	CLOSE
Chart	Gray scale
M. EQ.	Oscilloscope

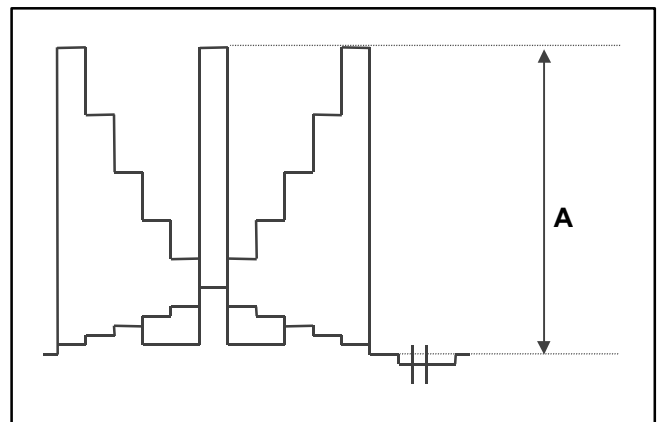
1. Set the Camera Recorder switches as shown below.  
GAIN : 30 dB
2. Adjust **VR101** so that the Level **A** (BLK difference) at **TP101** is in the Specification.
3. Adjust **VR301** so that the Level **A** (BLK difference) at **TP301** is in the Specification.
4. Adjust **VR501** so that the Level **A** (BLK difference) at **TP501** is in the Specification.



#### 4-2-12.RGB A/D INPUT Level Adjustment

Board	PRE PROCESS
Specification	A=1370mVp-p +/- 100mVp-p
Test Point	TP103 [R] TP303 [G] TP503 [B]
Adjustment Point	VR105 [R_AD] VR305 [G_AD] VR505 [B_AD]
F.NBR.	F11 ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	Oscilloscope

1. Adjust **VR105** so that the Level A at **TP103** is in the Specification.
2. Adjust **VR305** so that the Level A at **TP303** is in the Specification.
3. Adjust **VR505** so that the Level A at **TP503** is in the Specification.

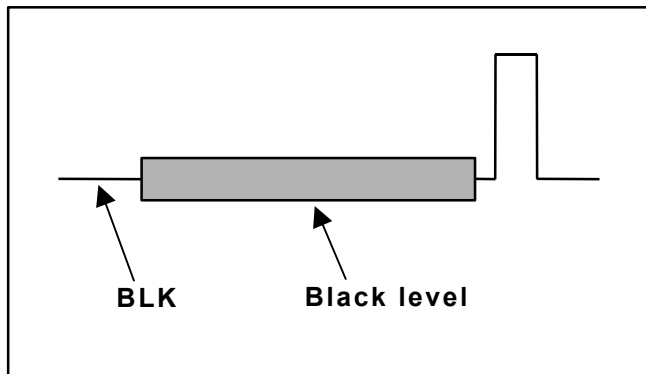


#### 4-2-13.RGB PED Adjustment

Board	PRE PROCESS
Specification	Black Level = BLK Level
Test Point	TP103[R] TP303[G] TP503[B]
Adjustment Point	VR103[R PED] VR303[G PED] VR503[B PED]
F.NBR.	CLOSE
Chart	-
M. EQ.	Oscilloscope

(PED : Pedestal)

1. Connect the scope to **TP103**, then adjust **VR103** so that the center of the noise at Black Level is same as Blanking Level.
2. Connect the scope to **TP303**, then adjust **VR303** so that the center of the noise at Black Level is same as Blanking Level.
3. Connect the scope to **TP503**, then adjust **VR503** so that the center of the noise at Black Level is same as Blanking Level.



#### 4-2-14.PED Balance Adjustment

Board	PRE PROCESS
Specification	Vector Dot = Zero Point
Test Point	CAM OUT
Adjustment Point	VR103 [R PED] VR503 [B PED]
F.NBR.	CLOSE
Chart	-
M. EQ.	Vector Scope

(PED : Pedestal)

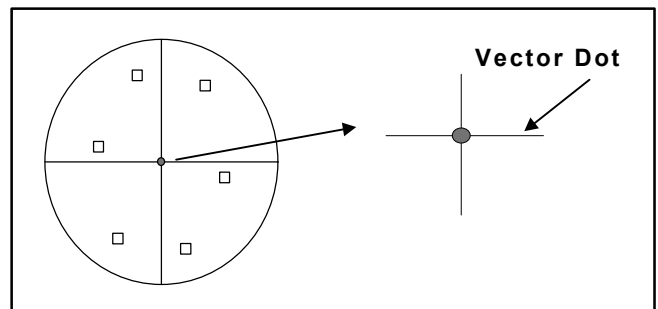
1. Connect CAMERA OUT to a Vector Scope, then adjust **VR103** and **VR503** so that the Vector Dot position at Zero Point of the Vector Scope.

#### 4-2-15.AWB Operation Confirmation

Board	PRE PROCESS
Specification	Vector Dot = Zero Point
Test Point	CAM OUT
Adjustment Point	-
F.NBR.	F11 ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	Vector Scope

(AWB : Automatic White Balance)

1. Set the WHITE BAL SW to A or B.
2. Connect a Vector scope to the CAMERA OUT, then adjust IRIS so that the Gray Scale level is about 90%.
3. Set the AWB SW ON.
4. Confirm the Vector Dot position at Zero Point of the Vector Scope.

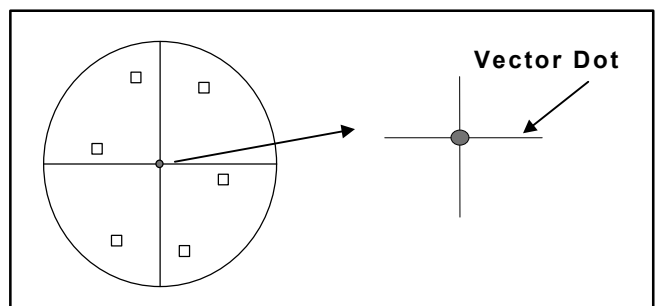


#### 4-2-16.ABB Operation Confirmation

Board	PRE PROCESS
Specification	Vector Dot = Zero Point
Test Point	CAM OUT
Adjustment Point	-
F.NBR.	CLOSE
Chart	-
M. EQ.	Vector Scope

(ABB : Automatic Black Balance)

1. Set the ABB SW ON.
2. Connect CAMERA OUT to a Vector Scope, then confirm the Vector Dot position at Zero Point of the Vector Scope.



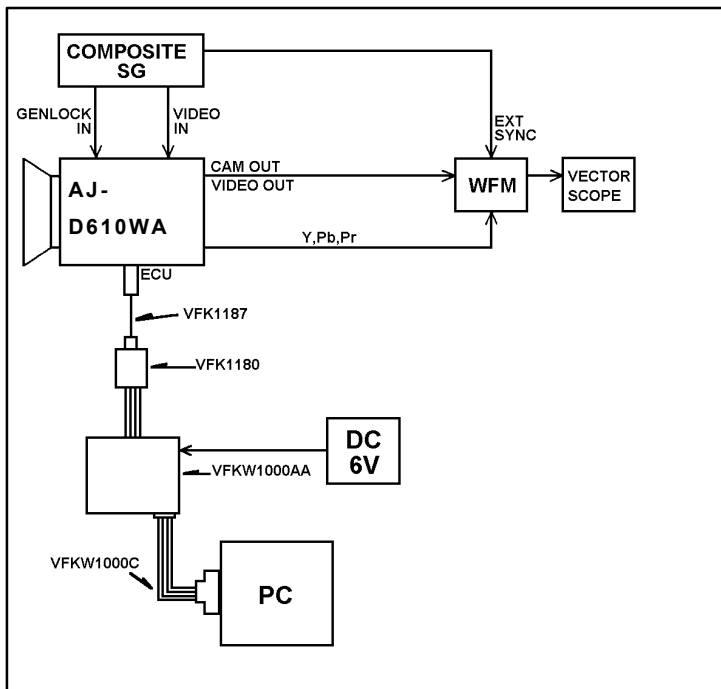
## 4-3.DSP / ENCODER

### 4-3-1.Initial Setting

1. Set the camera recorder SW setting as shown below.

AUTO W/B BAL : OFF  
 SHUTTER : OFF  
 GAIN : L  
 OUTPUT : BARS  
 WHITE BAL : PRST

2. Turns the camera recorder and EVR powers off, then connect the cables as shown below.



<Note>

The SCH of the signal generator should be 0 degrees.

3. Turns the EVR power on, then turns the camera recorder on.
4. Set the MENU SW while pressing [SHIFT], [+], [-] on the operation panel.
5. Change the PAGE and open the SERVICE ADJ Menu, then set the ECU CONNECT to EVR. after setting close the MENU.
6. Run the CAM\_TOOL.EXE.

### 4-3-2.AD REF Voltage Confirmation

Board	DSP MAIN
Specification	DC=2V+/-0.1V
Test Point	TP4
Adjustment Point	-
Input Signal	-
Mode	-
Tape	-
M. EQ.	DVM

1. Confirm the DC Voltage at TP4 is in the specification.

### 4-3-3.Y Level Adjustment

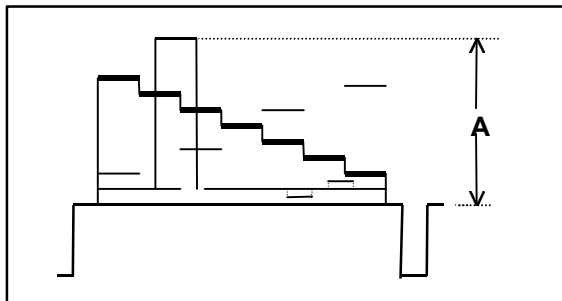
Board	ENCODER
Specification	A = 700mV+/-14mV
Test Point	P1-B48 PIN [Y_26P] (VFK1194 use)
Adjustment Point	VR2 SW201
Mode	CAMERA BAR
M. EQ.	Oscilloscope
F.NBR	Close

1. Connect a **26P connector** to other VCR.
2. Confirm the **SW201 (26P)** is **ON**.

#### Menu Setting

3. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
4. Set the menu as shown below.  
PAGE : LEVEL 3/6  
SET UP : **7.5% (NTSC)**  
: **0% (PAL)**
5. Adjust **VR2** so that the Level A at **P1-B48** is in the specification.

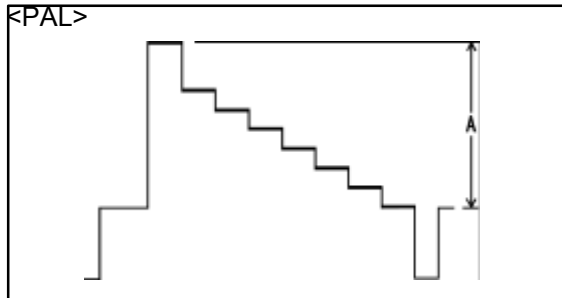
<NTSC>



<Note>

Confirm the SET UP is **7.5%**.

<PAL>



<Note>

Confirm the SET UP is **0%**.

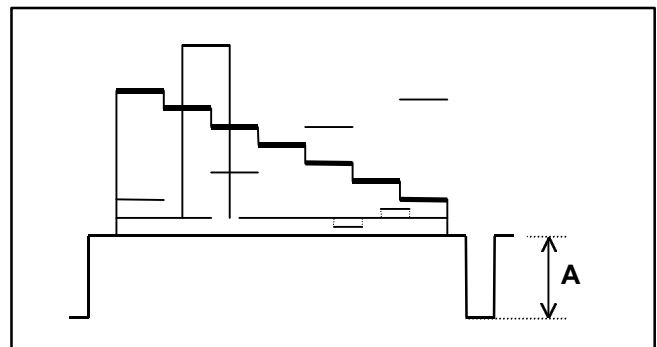
### 4-3-4.SYNC Level Adjustment

Board	ENCODER
Specification	A = 300mV+/-6mV
Test Point	P1-B48 PIN (Y_26P)
Adjustment Point	VR1 SW201
Mode	CAMERA BAR
M. EQ.	Oscilloscope

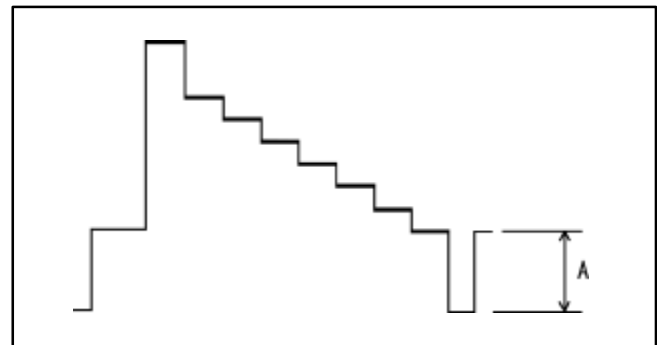
1. Connect a **26P connector** to other VCR.
2. Confirm **SW201 (26P)** is **ON**.

2. Adjust **VR1** so that the Level **A** at **P1-B48** is in the specification.

<NTSC>



<PAL>



#### 4-3-5.PR Level Adjustment

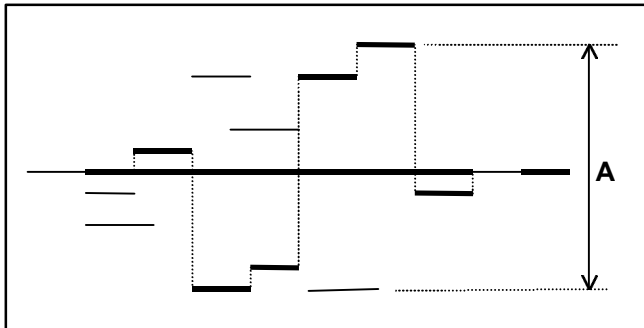
Board	ENCODER
Specification	NTSC A = 700mV $\pm$ 14mV PAL A = 525mV $\pm$ 10mV
Test Point	P1-B52 PIN (PR_26P)
Adjustment Point	VR3 SW201
Mode	CAMERA BAR
M. EQ.	Oscilloscope

1. Connect a **26P connector** to other VCR.
2. Confirm the **SW201 (26P)** is **ON**.

##### Menu Setting

3. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
4. Set the menu as shown below.  
PAGE : LEVEL 3/6  
SET UP : **7.5% (NTSC), 0% (PAL)**
5. Adjust **VR3** so that the Level A at **P1-B52** is in the specification.

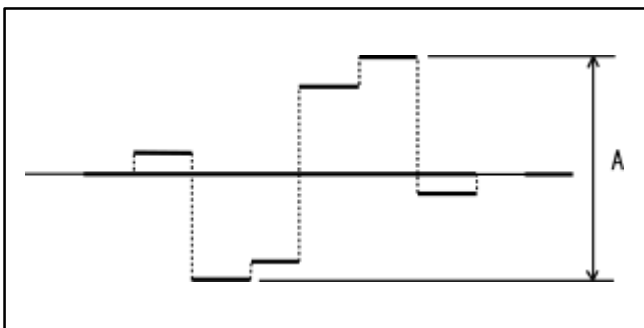
<NTSC>



<Note>

Confirm both SW1-1 and SW1-2 is at S side.

<PAL>



<Note>

Confirm both SW1-1 and SW1-2 is at M side.

#### 4-3-6.PB Level Adjustment

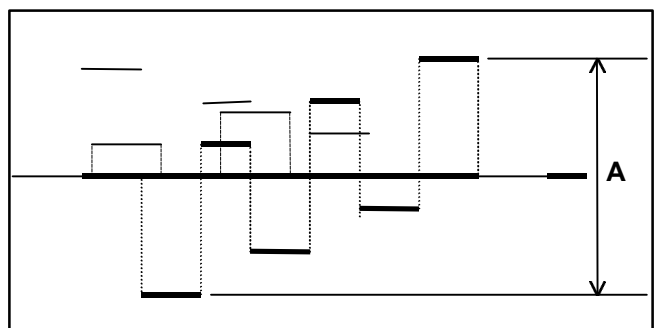
Board	ENCODER
Specification	NTSC A = 700mV $\pm$ 14mV PAL A = 525mV $\pm$ 10mV
Test Point	P1-A48 PIN (PB_26P)
Adjustment Point	VR4 SW201
Mode	CAMERA BAR
M. EQ.	Oscilloscope

1. Connect a **26P connector** to other VCR.
2. Confirm the **SW201 (26P)** is **ON**.

##### Menu Setting

3. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
4. Set the menu as shown below.  
PAGE : LEVEL 3/6  
SET UP : **7.5% (NTSC), 0% (PAL)**
5. Adjust **VR4** so that the Level A at **P1-A48** is in the specification.

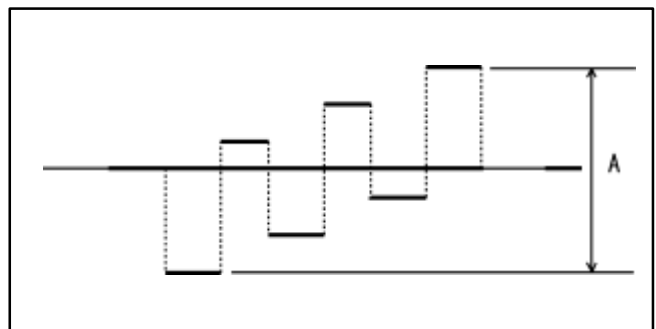
<NTSC>



<Note>

Confirm both SW1-1 and SW1-2 is at S side.

<PAL>



<Note>

Confirm both SW1-1 and SW1-2 is at M side.



### 4-3-7. Camera Delivery Setting

Board	CAM SYS
Specification	Delivery (Setup Level) NTSC = 7.5% or 7.5%A PAL, JApAn = 0%
Test Point	VIDEO OUT, CAM OUT
Adjustment Point	EVR
Mode	CAMERA BAR
M. EQ.	WFM

#### Menu Setting

1. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
2. Set the menu as shown below.  
ECU CONNECT : **EVR**

#### EVR Setting

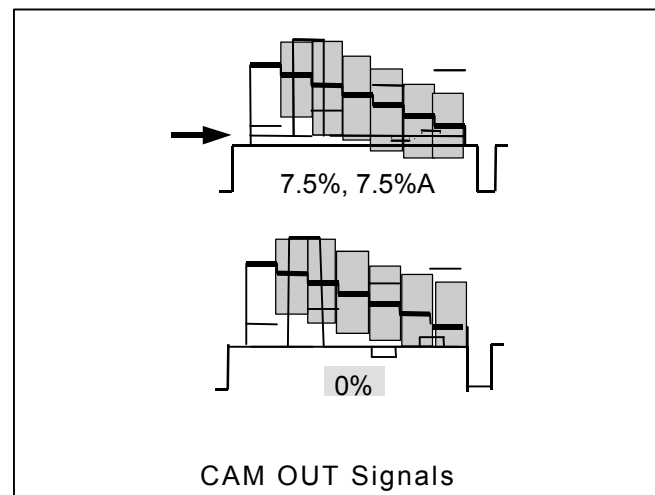
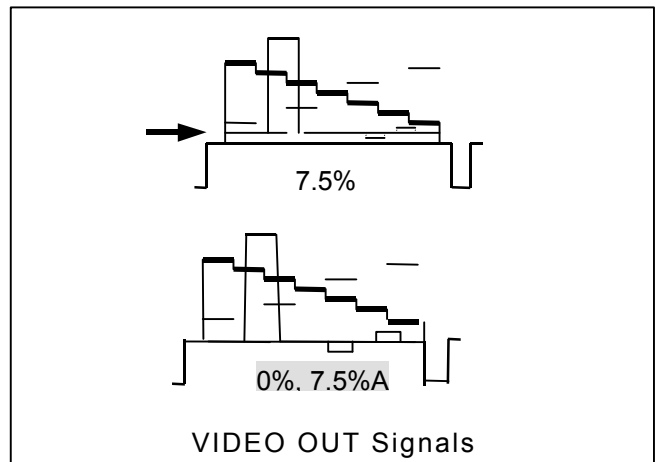
1. Set EVR as shown below.  
**1)COM:[1E] DATA:[27] ADR:[00] [Enter]**  
**2)COM:[0C] DATA:[20] ADR:[1A] [Enter]**
2. Set EVR as follows.  
**[ 0% Setup] COM:[1D] DATA:[02] [Enter]**  
**[7.5% Setup] COM:[1D] DATA:[04] [Enter]**  
**[7.5%A Setup] COM:[1D] DATA:[08] [Enter]**
3. Set EVR and confirm the VIDEO OUT, CAM OUT is following setting.

**COM:[1E] DATA:[02] ADR:[00] [Enter]**

<Note>

Especially, in setting of 7.5%A, be careful of setup level.

	The setting of setup level		
	0% setting	7.5% setting	7.5%A setting
VIDEO OUT (Component out)	Output in 0%	Output in 7.5%	Output in 0%
CAM OUT (Composite out)	Output in 0%	Output in 7.5%	Output in 7.5%



<Note>

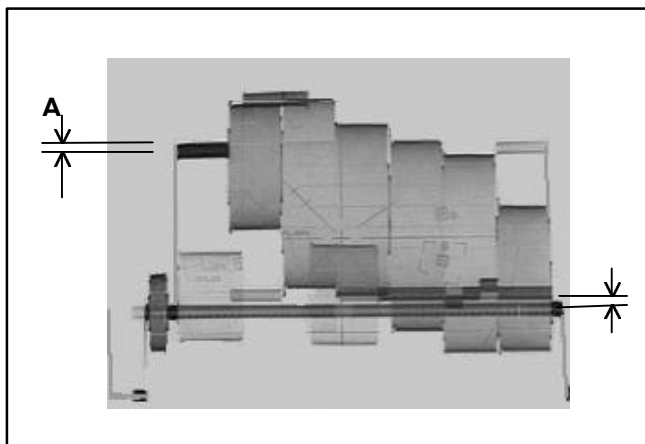
Especially, in setting of 7.5%A, be careful of setup level.

#### 4-3-8. Carrier Balance Adjustment

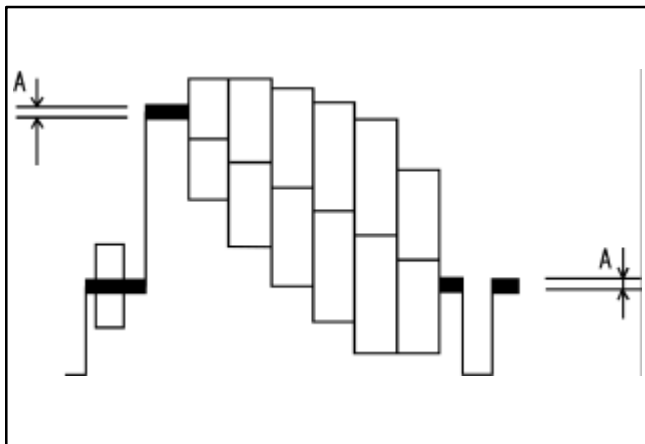
Board	ENCODER
Specification	A = minimum (no cArrier)
Test Point	CAM OUT
Adjustment Point	VR206[R-YBLK], VR209[B-YBLK]
Mode	CAMERA BAR
M. EQ.	WFM

1. Connect **CAMERA OUT** to a Waveform Monitor and adjust **VR206** and **VR209** so that the width **A** is minimum.
2. Connect **CAMERA OUT** to a Vector Scope (X5), and adjust **VR206** and **VR209** so that the center of vector is located on the center of the vector scope.

<NTSC>



<PAL>



<Note>

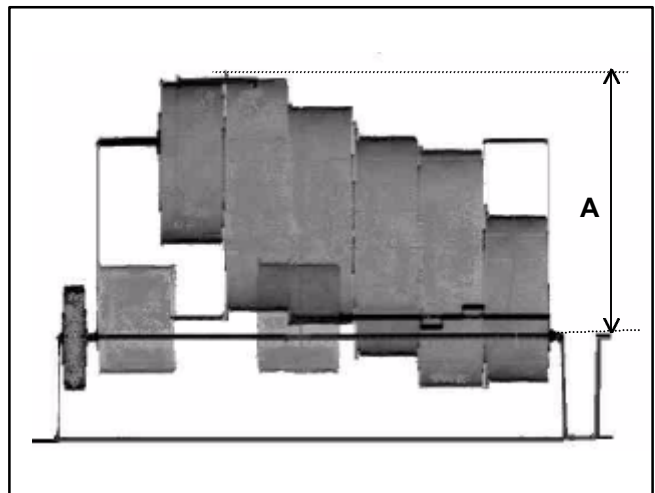
Confirm with the setup level which is set in the **5-3-7. Camera Delivery Setting.**

#### 4-3-9. Camera ENC Level Adjustment

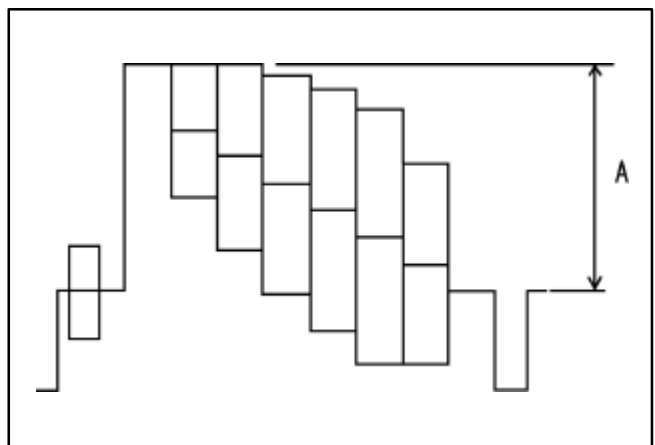
Board	ENCODER
Specification	NTSC A = 714mV+/-15mV PAL A = 700mV+/-15mV
Test Point	CAM OUT
Adjustment Point	VR202[CAM_LEV]
Mode	CAMERA BAR
M. EQ.	WFM

1. Connect **CAMERA OUT** to a Waveform monitor, and adjust **VR202** so that the Level **A** is in the Specification.

<NTSC>



<PAL>



<Note>

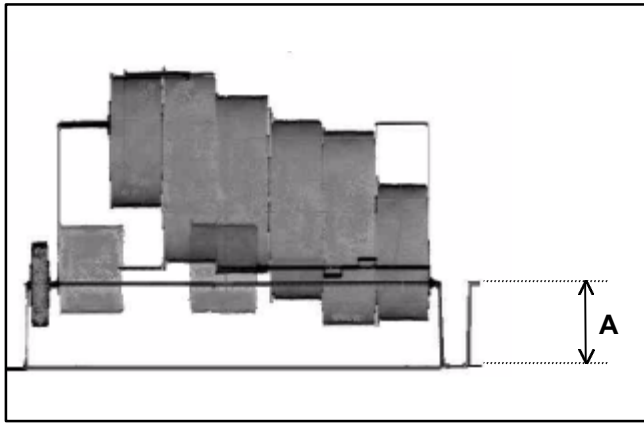
Confirm with the setup level which is set in the **5-3-7. Camera Delivery Setting.**

### 4-3-10. Camera SYNC Level Adjustment

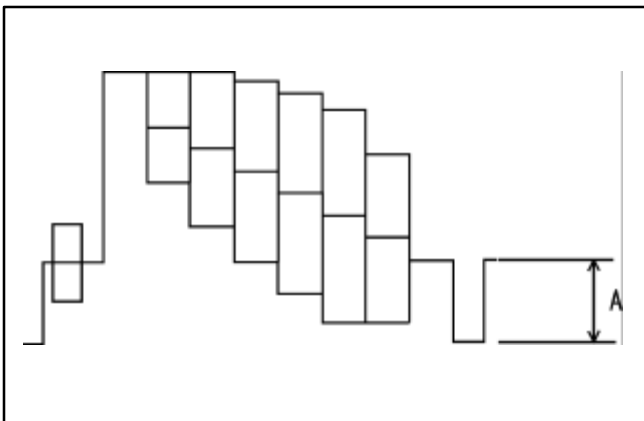
Board	ENCODER
Specification	NTSC A = 286mV +/- 6mV PAL A = 300mV +/- 6mV
Test Point	CAM OUT
Adjustment Point	VR200 [ENC_SYNC_LVL]
Mode	CAMERA BAR
M. EQ.	WFM

1. Connect **CAMERA OUT** to a Waveform Monitor and adjust **VR200** so that the level **A** is in the specification.

<NTSC>



<PAL>

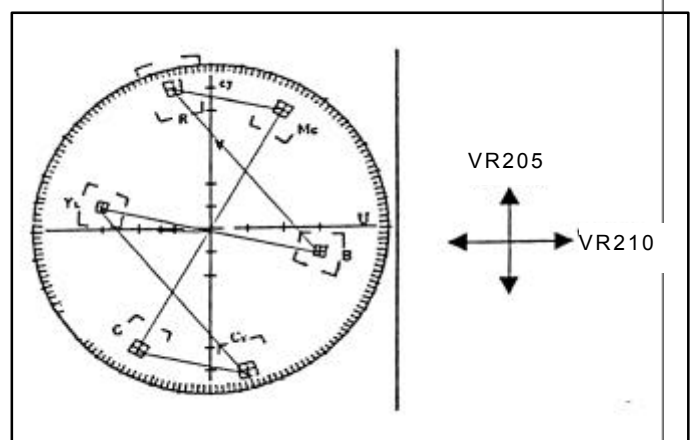


#### 4-3-11. Camera Vector Adjustment

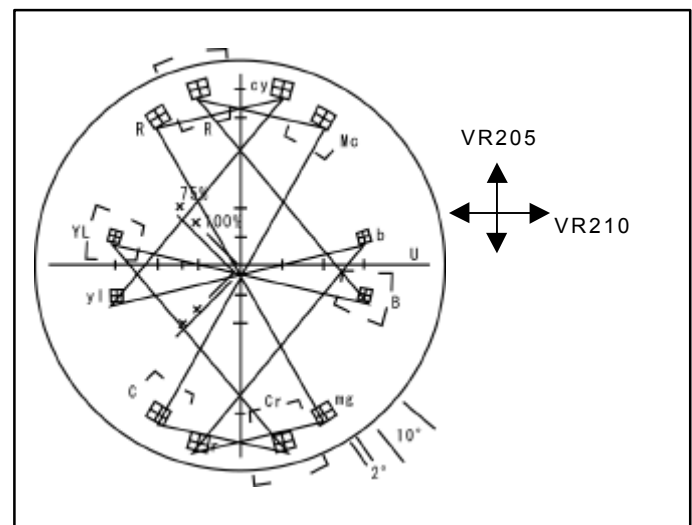
Board	ENCODER
Specification	Each color in inner box
Test Point	CAM OUT
Adjustment Point	VR210[PB_LEV] VR205[PR_LEV] VC200[QUAD]
Mode	CAMERA BAR
F.NBR	Close
M. EQ.	Vector Scope

1. Set **VR210** at center position.
2. Connect **CAMERA OUT** to a Vector scope and adjust **VR205** and **VR210** so that the center of the Vector is located at center of Vector scope and each color is in the inner box.

<NTSC>



<PAL>



<Note>

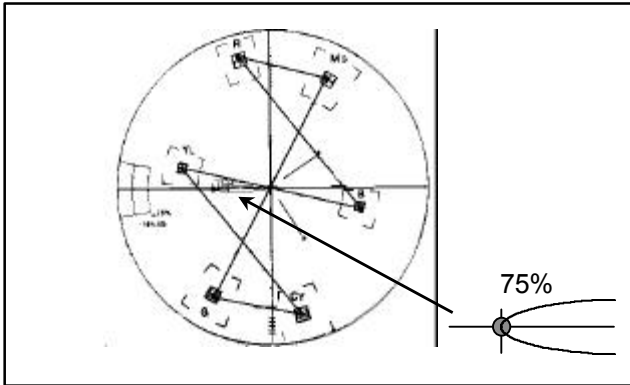
Adjust **VR210** for YL-B direction and adjust **VR205** for R-Cy, and adjust **VC200** for inner box position. Adjust each variable adjustment alternately to get the best result.

### 4-3-12. Burst Level Adjustment

#### <For NTSC>

Board	ENCODER
Specification	Burst Level = 75%
Test Point	CAM OUT
Adjustment Point	VR203[BURST LVL]
Mode	CAMERA BAR
M. EQ.	Vector Scope

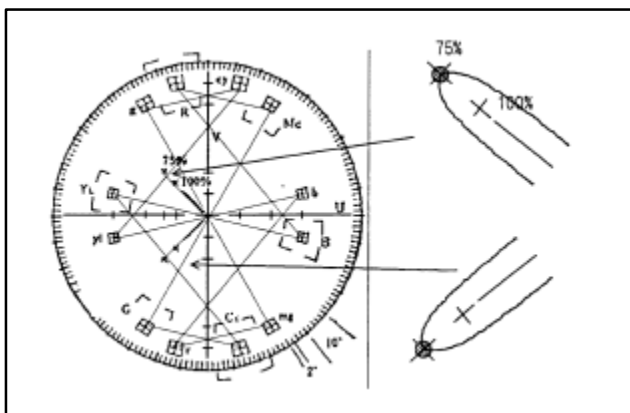
1. Connect **CAMERA OUT** to a Waveform Monitor and adjust **VR203** so that the level is in the specification.



#### <For PAL>

Board	ENCODER
Specification	Burst Level : 75% Burst phase: 90 Degrees
Test Point	CAM OUT
Adjustment Point	VR203[BURST LVL] VR207[BURST PHASE]
Mode	CAMERA BAR
M. EQ.	Vector Scope

1. Connect **CAMERA OUT** to a Waveform Monitor and adjust **VR203, VR207** so that the level is in the specification.



#### <Note>

If the Carrier Balance is incorrect after adjustment, repeat **5-3-8. Carrier Balance adjustment**(VR206,VR209).

### 4-3-13. Monitor OUT Level Adjustment

Board	ENCODER
Specification	NTSC : A = 714mV+/-15mV PAL : A = 700mV+/-15mV
Test Point	VIDEO OUT
Adjustment Point	VR102[MON_LVL],EVR
Mode	CAMERA BAR
M. EQ.	WFM

#### Menu Setting

1. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
2. Set the menu as shown below.

PAGE: SERVICE ADJ.

ECU CONNECT : EVR

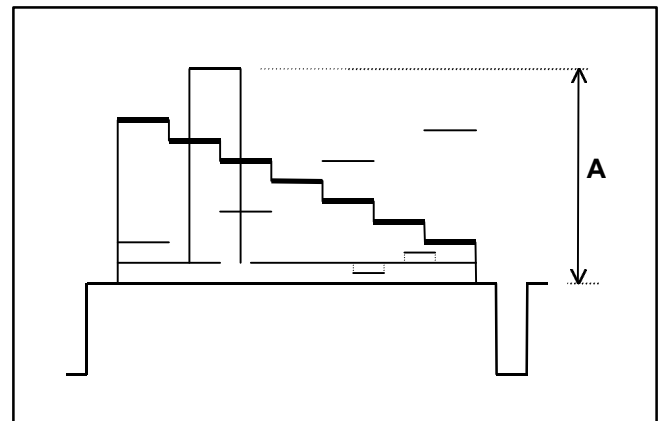
#### EVR Setting

Set the EVR as shown below

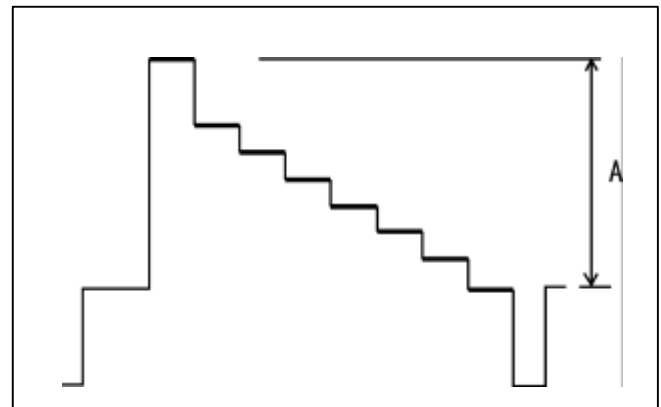
**COM:[1E] DATA:[02] ADR:[00] [Enter]**

1. Connect **VIDEO OUT** to a Waveform Monitor and adjust **VR102** so that the level **A** is in the specification.

#### <NTSC>



#### <PAL>



#### 4-3-14. Monitor SYNC Level Adjustment

Board	ENCODER
Specification	NTSC : A = 286mV +/- 6mV PAL : A = 300mV +/- 6mV
Test Point	VIDEO OUT
Adjustment Point	VR101[MON_SYNC_LVL]
Mode	CAMERA BAR
M. EQ.	WFM

##### Menu Setting

1. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
2. Set the menu as shown below.  
PAGE: SERVICE ADJ.  
ECU CONNECT : **EVR**

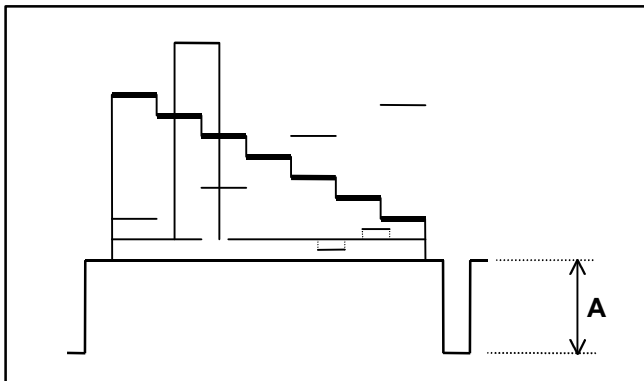
##### EVR Setting

Set the EVR.

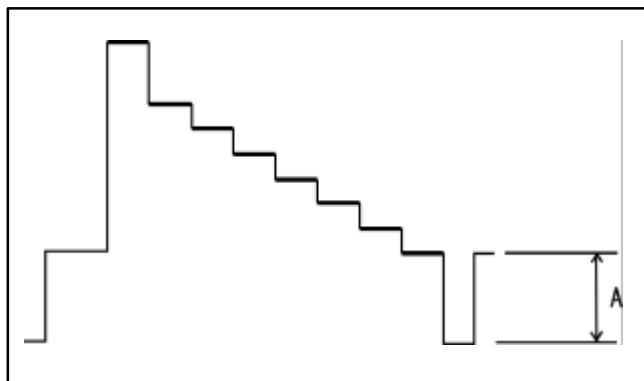
**COM:[1E] DATA:[02] ADR:[00] [Enter]**

1. Connect **VIDEO OUT** to a Waveform monitor, and adjust **VR101** so that the Level **A** is in the Specification.

<NTSC>



<PAL>



#### 4-3-15. VIDEO IN Level Adjustment

Board	ENCODER
Specification	A = 1V +/- 20mV
Test Point	VIDEO OUT
Adjustment Point	EVR, VR105[RET_LEV]
Input Signal	Color Bar (GEN LOCK IN)
Mode	CAMERA BAR
M. EQ.	WFM

1. Supply A composite signal to **GEN LOCK IN**.

##### Menu Setting

1. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
2. Set the menu as shown below.  
PAGE: SERVICE ADJ.  
ECU CONNECT : **EVR**

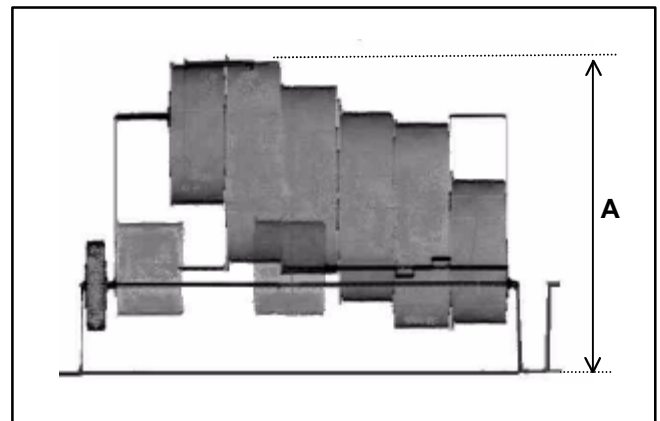
##### EVR Setting

Set the EVR as shown below.

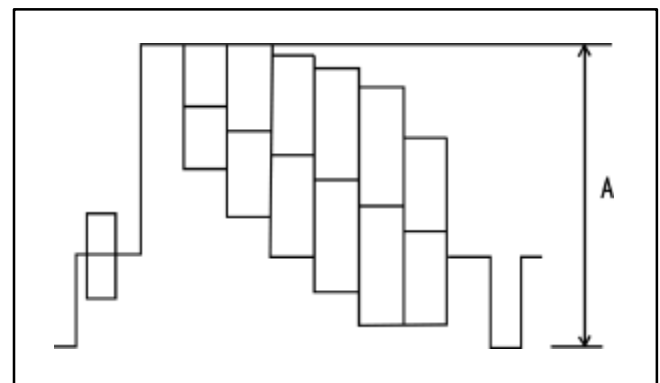
**COM:[1E] DATA:[03] ADR:[00] [Enter]**

1. Connect **VIDEO OUT** to a Waveform monitor, and adjust **VR105** so that the Level **A** is in the Specification.

<NTSC>



<PAL>



#### 4-3-16. MON ENC Level Adjustment

Board	ENCODER
Specification	A = 1V +/- 20mV
Test Point	VIDEO OUT
Adjustment Point	VR103[ENC_LEV],EVR
Mode	CAMERA BAR
M. EQ.	WFM

##### Menu Setting

1. Set **[MENU]** switch while pressing **[SHIFT][+][-]** buttons on the operation panel.
2. Set the menu as shown below.  
PAGE: SERVICE ADJ.  
ECU CONNECT : **EVR**

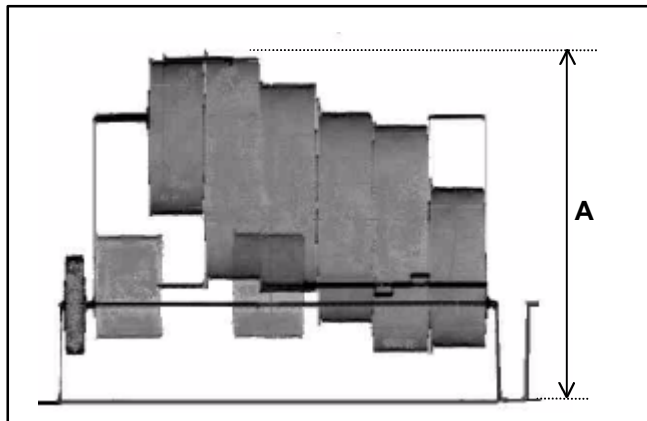
##### EVR Setting

Set EVR as shown below.

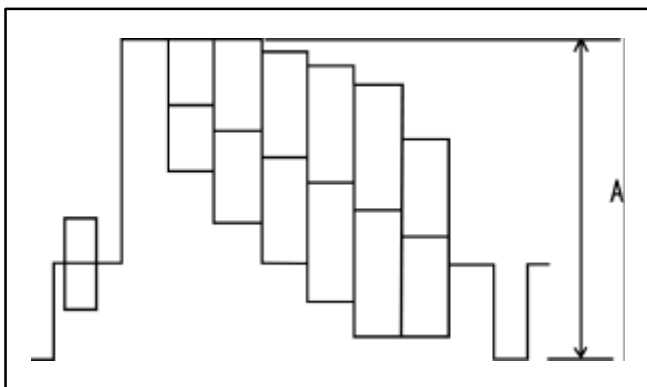
**COM:[1E] DATA:[04] ADR:[00] [Enter]**

1. Connect **VIDEO OUT** to a Waveform monitor, and adjust **VR103** so that the Level **A** is in the Specification.
2. Set EVR as **COM:[1E] DATA:[01] ADR:[00] [Enter]**

<NTSC>



<PAL>

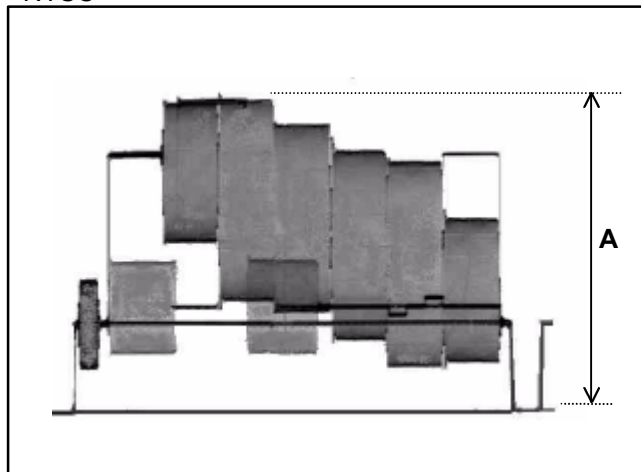


#### 4-3-17.PLAY BACK Level Adjustment

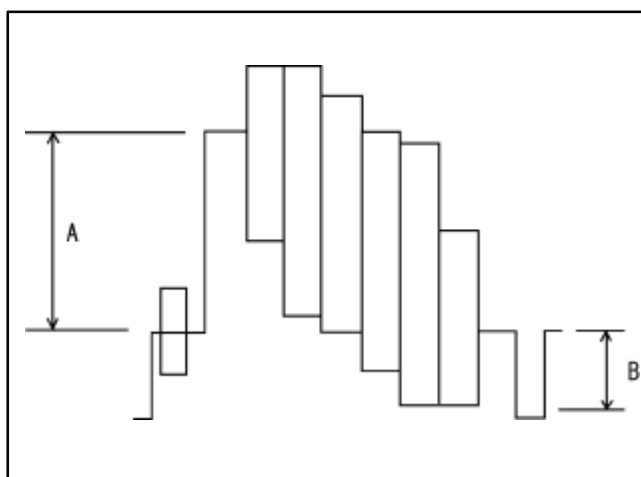
Board	ENCODER
Specification	NTSC A = 1V +/- 20mV PAL A = 700mV +/- 15mV B = 300mV +/- 10mV
Test Point	VIDEO OUT
Adjustment Point	VR104[PBK_LEV]
Mode	CAMERA BAR PLAY BACK
M. EQ.	WFM

1. Connect **VIDEO OUT** to a Waveform monitor, and adjust **VR104** so that the Level **A,B** is in the Specification.

<NTSC>



<PAL>



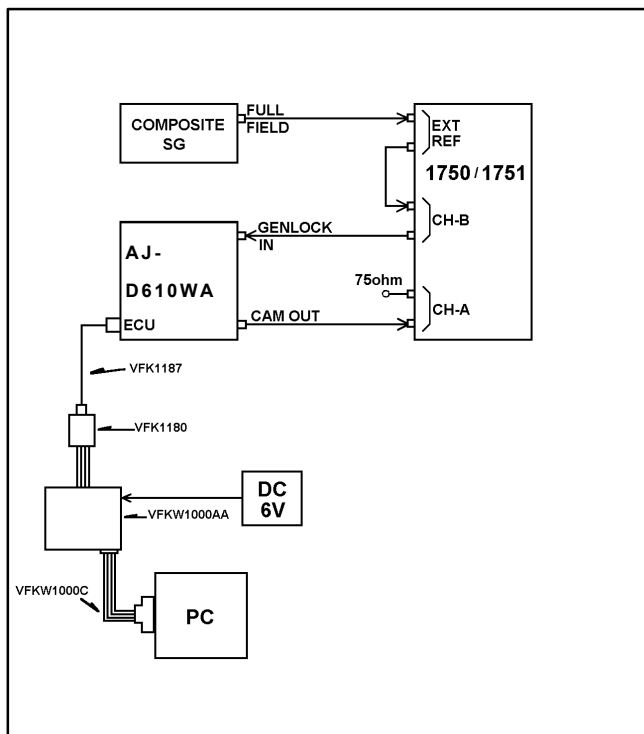
## 4-4.SYNC

### 4-4-1. Setting Method

1. Set the switches of camera recorder as shown below.

AUTO W/B BAL :OFF  
 SHUTTER :OFF  
 GAIN :L  
 OUTPUT :BAR  
 WHITE BAL :PRST

2. Turns camera recorder and EVR off and set the connection as shown below.



### 4-4-2.4fsc VCO Adjustment

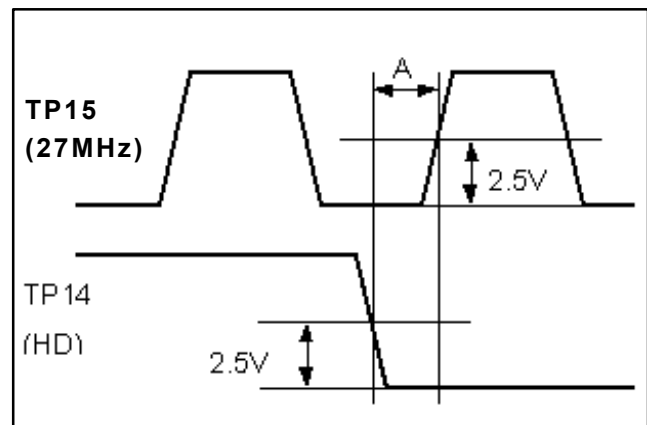
Board	SYNC
Spec	NTSC: f=14.31818MHz +/- 10Hz P A L: f=17.734475MHz +/- 10Hz
Test Point	TP3101
Adjustment Point	VR3104
Input Signal	-
Mode	CAMERA BAR
M. EQ.	Frequency Counter

1. Connect a frequency counter at **TP3101** and adjust **VR3104** so that the frequency is in the specification.

### 4-4-3.27MHzCLOCK Adjustment

Board	SYNC,DSP
Spec	A=12ns +/- 2ns
Test Point	TP15 [27MHz] TP14 [HD] (DSP)
Adjustment Point	VR3002 (SYNC)
Input Signal	-
Mode	CAMERA BAR
M. EQ.	Oscilloscope

Connect a Oscilloscope to **TP15(27MHz)**,**TP14(HD)** and adjust **VR3002** so that the **A** is in the specification.

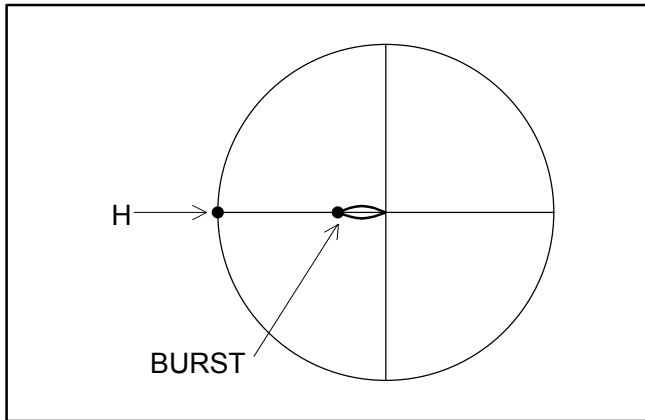


#### 4-4-4.SCH PHASE Adjustment

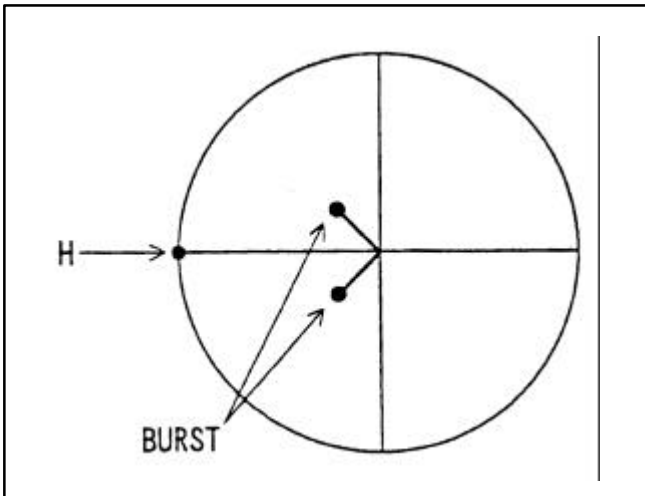
Board	SYNC
Spec	SCH = 0+/-2 Degrees
Test Point	CAM OUT
Adjustment Point	VR3102
Input Signal	-
Mode	CAMERA BAR
M. EQ.	SCH meter

1. Adjust **VR3102** so that the SCH of CAM OUT is in the specification.

<NTSC>



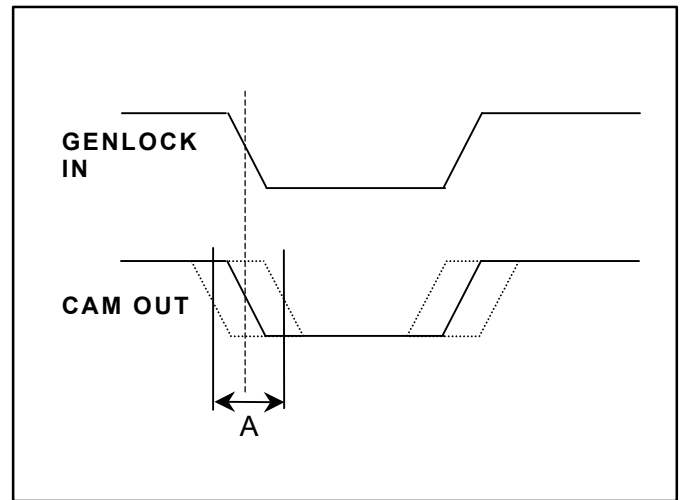
<PAL>



#### 4-4-5.SYSTEM H PHASE Adjustment

Board	SYNC
Spec	A = more than 3uS
Test Point	CAM OUT
Adjustment Point	VR3103 [SYSTEM H PHASE]
Input Signal	Any composite signal (GENLOCK IN)
Mode	CAMERA BAR
M. EQ.	SCH meter

1. Set SCH meter at EXT Mode position.
2. Adjust **VR3103** so that the Sync phase of Genlock signal is the same phase as CAM OUT.



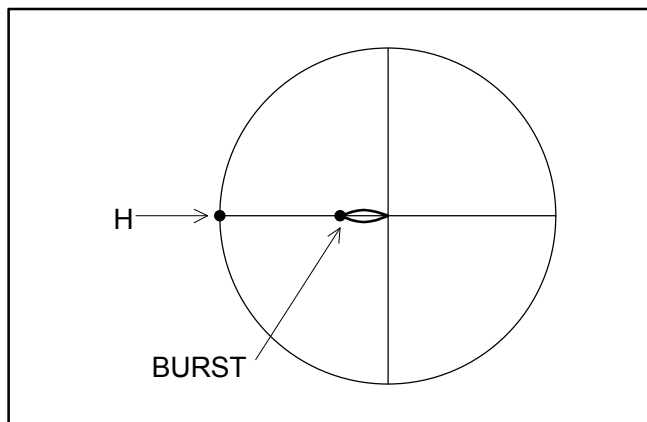


#### 4-4-6.SYSTEM BURST PHASE Adjustment

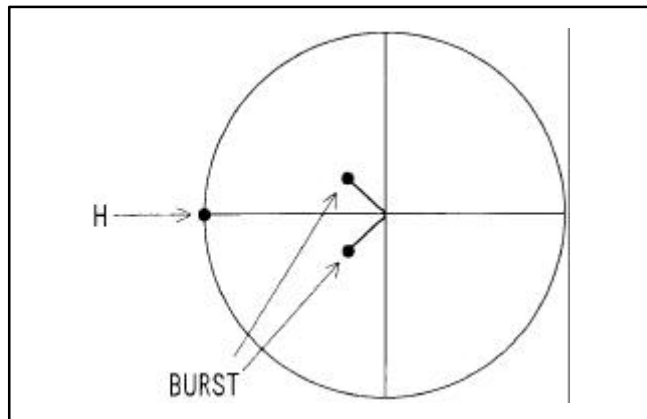
Board	SYNC
Spec	See below
Test Point	CAM OUT
Adjustment Point	VR3001 [BURST PHASE]
Input Signal	Composite Color Bar signal (GENLOCK IN)
Mode	Camera Bar
M. EQ.	SCH meter

1. Set SCH meter at EXT Mode.
2. Set the EVR at **COM:[1E] DATA:[1C] ADR:[00]**.
3. Adjust the **VR3001** so that the Burst phase is same of CAM OUT and GELOCK IN signals.

<NTSC>



<PAL>

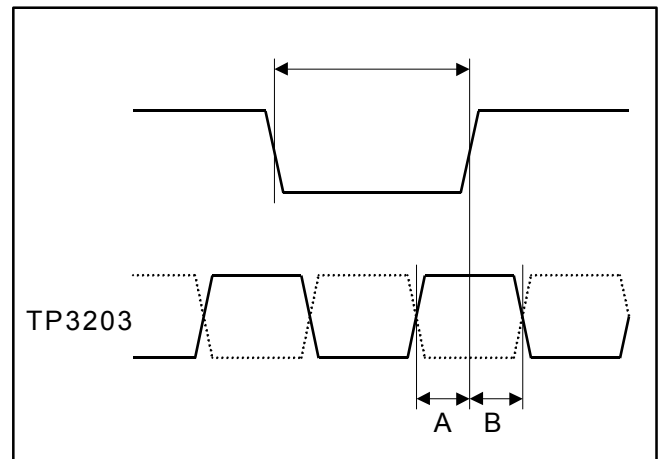


#### 4-4-7.REF SCH Adjustment

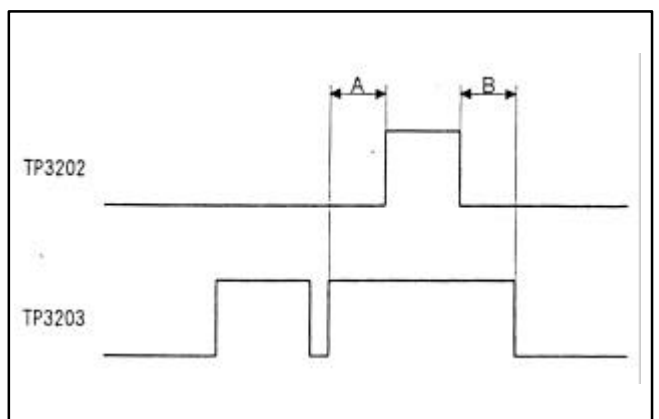
Board	SYNC
Spec	A = B +/- 10%
Test Point	TP3202, TP3203
Adjustment Point	VR3101
Input Signal	Composite Color Bar signal (GENLOCK IN)
Mode	CAMERA BAR
M. EQ.	Oscilloscope

1. Connect a scope at **TP3202** and **TP3203** and adjust **VR3101** so that the ratio of **A** and **B** is in the specification.

<NTSC>



<PAL>

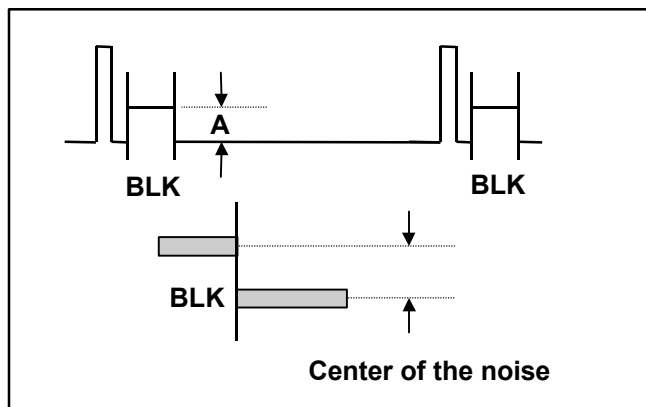


## 4-5.PRE PROCESS

### 4-5-1. R,G,B PEDESTAL Adjustment

Board	PRE PROCESS, SYNC
Specification	A = 0 +/- 50mV
Test point	TP103[R],TP303[G],TP503[B] (PRE PROCESS) TP3206[HD] (SYNC)
Adjustment Point	VR103[R PED] (PRE PROCESS) VR303[G PED] (PRE PROCESS) VR503[B PED] (PRE PROCESS) EVR
F.NBR	CLOSE
Mode	CAM ON
M. EQ.	Oscilloscope

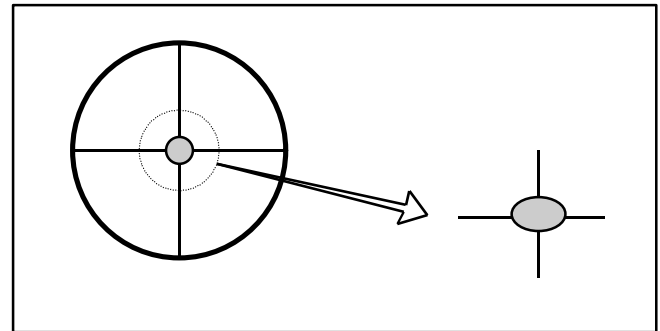
1. Set the **EVR**.  
**COM:[1E] DATA:[20] ADR:[00] [Enter]**
2. Connect a scope to **TP3206** (SYNC) for trigger.
3. Connect a scope to **TP103** and adjust **VR103** so that the center of the noise of signal period and BLK period are same.
4. Connect a scope to **TP303** and adjust **VR303** so that the center of the noise of signal period and BLK period are same.
5. Connect a scope to **TP503** and adjust **VR503** so that the center of the noise of signal period and BLK period are same.



### 4-5-2. 0 IRE ABB Confirmation

Board	CAM SYSCON
Specification	Center of Vector = Center of Vector Scope
Test point	CAM OUT ( 75 ohm termination)
Adjustment Point	EVR
F.NBR	CLOSE
Mode	CAM ON
M. EQ.	Vector Scope

1. Set the **EVR**.  
**COM:[1E] DATA:[21] ADR:[00] [Enter]**
2. Operate the **ABB**.
3. Connect a **Vector Scope** then set the gain to Max, Confirm the black dot is on the origin of the **Vector Scope**.



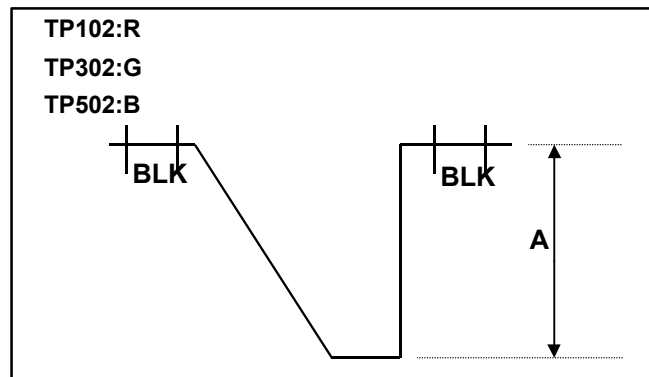
#### 4-5-3.R,G,B TEST Signal Level Adjustment

Board	PRE PROCESS, SYNC
Specification	A = 666 +/- 10mVp-p
Test point	TP102[R] (PRE PROCESS) TP302[G] (PRE PROCESS) TP502[B] (PRE PROCESS) TP3206[HD] (SYNC)
Adjustment Point	VR3505[TEST R] (SYNC) VR3506[TEST G] (SYNC) VR3507[TEST B] (SYNC) EVR
Input Signal	Internal TEST Ramp Signal
F.NBR	CLOSE
M. EQ.	Oscilloscope

1. Set **EVR** as shown below.

**COM:[1E] DATA:[22] ADR:[00] [Enter]**

2. Connect a scope to **TP3206** (SYNC Board) as trigger.
3. Connect a scope to **TP102** and adjust **VR3505** so that the level **A** is in the specification.
4. Connect a scope to **TP302** and adjust **VR3506** so that the level **A** is in the specification.
5. Connect a scope to **TP502** and adjust **VR3507** so that the level **A** is in the specification.



#### 4-5-4.R,G,B AD Input Level Adjustment

Board	PRE PROCESS
Specification	A portion is flat.
Test point	VIDEO OUT ( 75 ohm termination)
Adjustment Point	VR105[R AD] VR305[G AD] VR505[B AD] EVR
Input Signal	Internal TEST Ramp signal
F.NBR	CLOSE
M. EQ.	WFM

1. Set **EVR** and select R channel.

**COM:[1E] DATA:[23] ADR:[00] [Enter]**

2. Connect **VIDEO OUT** to a Waveform monitor and adjust **VR105** so that the A portion is flat. When adjust **VR105**, the level should be as smooth as possible while A portion is flat.

3. Set the **EVR** as shown below and select G channel.

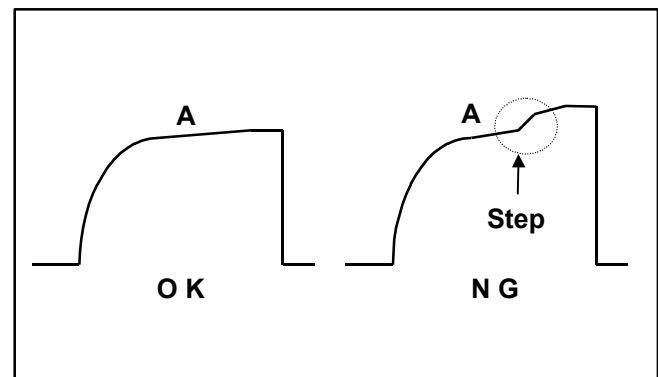
**COM:[1E] DATA:[24] ADR:[00] [Enter]**

4. Connect a Waveform monitor to **VIDEO OUT** and adjust **VR305** so that the A portion is flat.

5. Set the **EVR** as shown below and select B channel.

**COM:[1E] DATA:[25] ADR:[00] [Enter]**

6. Connect a Waveform monitor to **VIDEO OUT** and adjust **VR505** so that the A portion is flat.

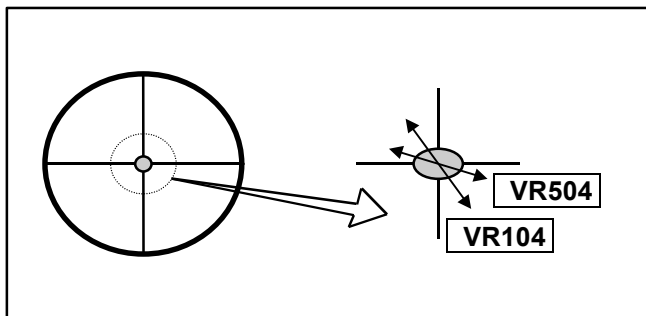


#### 4-5-5. R,G,B PED TRACK Adjustment

Board	PER PROCESS
Specification	Center of Vector = Center of Vector Scope
Test point	CAM OUT ( 75 ohm termination)
Adjustment Point	VR104 [R TRACK] VR504 [B TRACK] EVR
Input Signal	-
F.NBR	CLOSE
M. EQ.	Vector Scope

##### Menu Setting

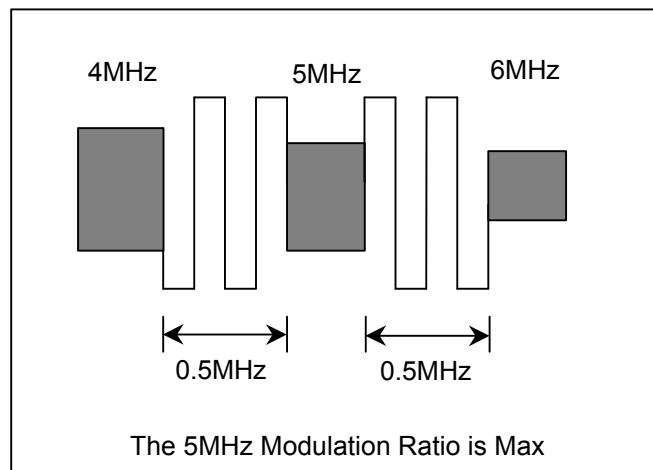
- While pressing **[SHIFT][+][-]** buttons and set **MENU** switch.
- Set data as shown below.  
PAGE: MAIN MENU 1/4 → FLARE/GAMMA  
R FLARE : 0  
G FLARE : 0  
B FLARE : 0  
R GAMMA : 0  
B GAMMA : 0  
PAGE: SERVICE ADJ 2/2.  
R GAMMA (1) : 0  
B GAMMA (1) : 0
- Set EVR as shown below to change the pedestal level.  
**COM:[1E] DATA:[28] ADR:[00] [Enter]**
- Connect a **Vector Scope** and set the gain to Max, then adjust **VR104**[R TRACK] and **VR504** [B TRACK] precisely so that the black dot is on the origin of the **Vector Scope**.
- Set EVR as shown below to change the pedestal level.  
**COM:[1E] DATA:[29] ADR:[00] [Enter]**
- Connect a **Vector Scope**, and confirm that the black dot is on the origin of the **Vector Scope**. If it is not adjust **VR104**[R TRACK] and **VR504** [B TRACK].
- Repeat item 3 to 6.



#### 4-5-6. Modulation Ratio Adjustment

Board	CCD PULSE, SYNC
Specification	Modulation Ratio Max (at 5MHz)
Test point	VIDEO OUT
Adjustment Point	VR1[CW] (CCD PULSE) VR3501[MOD 1] (SYNC) VR3503[MOD 3] (SYNC) EVR
Shutter	1/500, 1/2000
Chart	Inmega Chart (transparency type)
M. EQ.	WFM

- Turn the Power SW off to On (Data refresh)
- Set the Shutter SW to **1/500** mode
- Shoot the Inmega chart and set Iris so that the white peak level is 80 %. Then operate AWB for A ch mode.
- While pressing **[SHIFT][+]** buttons and set **[MENU]** switch.
- Set the menu as shown below.  
EVALUATION MENU FUNCTION  
**MODULATION : ON**
- Rotate the **VR3501** to center position.
- Adjust the **VR1** so that the **5MHz part** level is 80%+/-2% (As 0.5MHz part = 100%).
- Set the Camera Recorder switches as shown below.  
SHUTTER : **1/2000**  
GAIN : **S.GAIN (+30dB)**  
IRIS : **0.5MHz part level is 80%**
- Adjust the **VR3503** so that the 5MHz part level is Maximum.
- Returns based on the setting.  
SHUTTER : **OFF**  
GAIN : **L (0dB)**



## 4-6.CAMERA SYSCON

### 4-6-1.White Shading Adjustment

Board	CAM SYSCON
Specification	Monitor :No colored WFM :Flat Vector :Dot is circle and Scope cross on the origin
Test Point	CAM OUT (75 ohm termination)
Adjustment Point	EVR
Chart	Light Box (Spherical type) Distance Aprox.50cm, Defocus
Shutter	1/250
M. EQ.	MonitorTV, WFM, Vector Scope

Set the Camera recorder switches and M.EQ. settings as shown below.

**Vector scope : X10 mode**

**Camera Aspect : 16:9 mode**

#### Normal setting

1. Set a lens extender **X1** condition.
2. Set the EVR as shown below.  
**COM:[1E] DATA:[30] ADR:[00] [Enter]**
3. Connect a WFM to **CAM OUT** and set Iris so that the peak level is **80%**.
4. Set the **WHITE BAL SW** to **A** position and operate **AWB**, then operate **ABB to AWB**.
5. Confirm the each signals condition is in the specification.

#### With Lens Extender setting

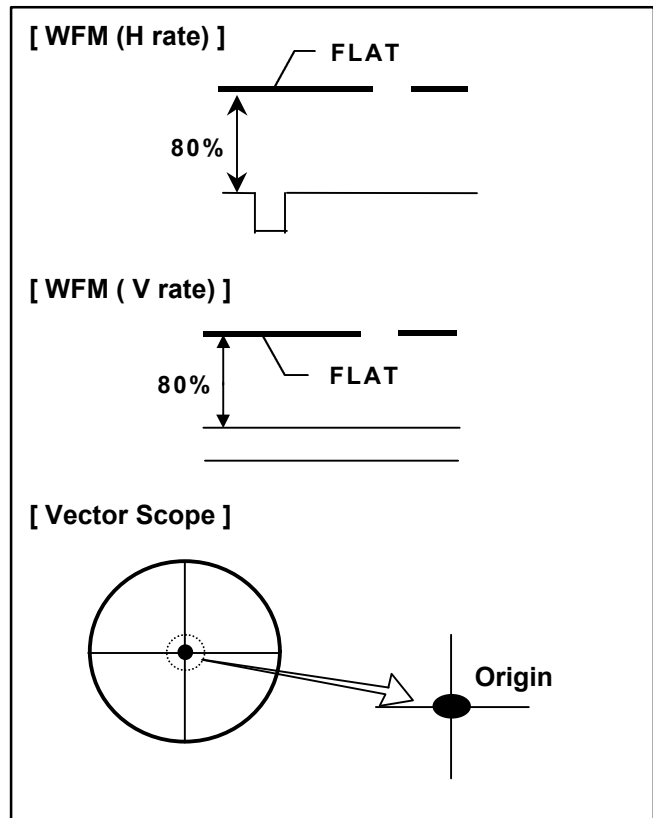
6. Set a lens extender **X2** condition.
7. Connect a WFM to **CAM OUT** and set Iris so that the peak level is **80%**.
8. Set the **WHITE BAL SW** to **A** position and operate **AWB**, then operate **ABB to AWB**.
9. Set the EVR as shown below.  
**COM:[1E] DATA:[31] ADR:[00] [Enter]**
10. Confirm the each signal condition is in the specification.

#### With Ratio converter setting

11. Set a lens extender **X1** condition. Then set a lens ratio converter **X0.8** condition.
12. Connect a WFM to **CAM OUT** and set Iris so that the peak level is **80%**.
13. Set the **WHITE BAL SW** to **A** position and operate **AWB**, then operate **ABB to AWB**.
14. Confirm the each signal condition is in the specification.

#### <Note>

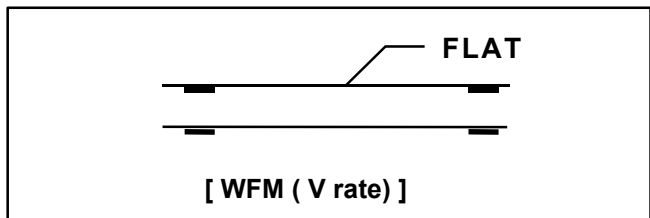
While White Shading is operating \* mark is displayed on the EVF.



### 4-6-2. Digital Dark Shading Adjustment

Board	CAM SYSCON
Specification	Monitor : No colored in black (should be normal picture) WFM : flat ( V rate )
Test Point	CAM OUT (75 ohm termination)
Adjustment Point	EVR
F.NBR	CLOSE
M. EQ.	Monitor TV, WFM

1. Set the **WHITE BAL SW** to **PRST**.
2. Set the **EVR** as shown below.  
**COM:[1E] DATA:[2B] ADR:[00] [Enter]**
3. Set the **EVR** as shown below.  
**COM:[1E] DATA:[2D] ADR:[00] [Enter]**  
(Digital Dark Shading executing)
4. Confirm the following matters.  
Monitor : No colored in black  
(should be normal picture)  
WFM : Waveform is flat ( V rate ).



### 4-6-3. Flare Compensate Adjustment

Board	CAM SYSCON
Specification	Black Level : R = G = B
Test Point	VIDEO OUT (75 ohm termination)
Adjustment Point	EVR
F.NBR	See Below ( 2000 Lux / 3100 K )
Chart	Flare Chart
M. EQ.	WFM

1. Set **EVR** as shown below.

**COM:[1E] DATA:[27] ADR:[00] [Enter]**

2. Set the **WHITE BAL SW** to **A** position and operate **AWB**, **ABB**, and **AWB** again.

<Note>

When operate **AWB**, connect **VIDEO OUT** to a Waveform Monitor and set Iris so that the peak level is **80%**.

3. Connect **VIDEO OUT** to a Waveform Monitor and set Iris so that the peak level is **100%**. Then open the Iris 1.5 point F Number more.

Ex.) **F11** ® **F8-1/2** , **F11-1/2** ® **F5.6**

4. Change the R, G and B at VIDEO OUT by **EVR** and measure the each level
5. Find the minimum level of them and adjust other 2 level so that they are equal to the minimum level.  
The EVR Variable Data range is **00h-64h**, the level is not changed over 64h.

#### R / G / B channel measure and adj.

[ Rch ]

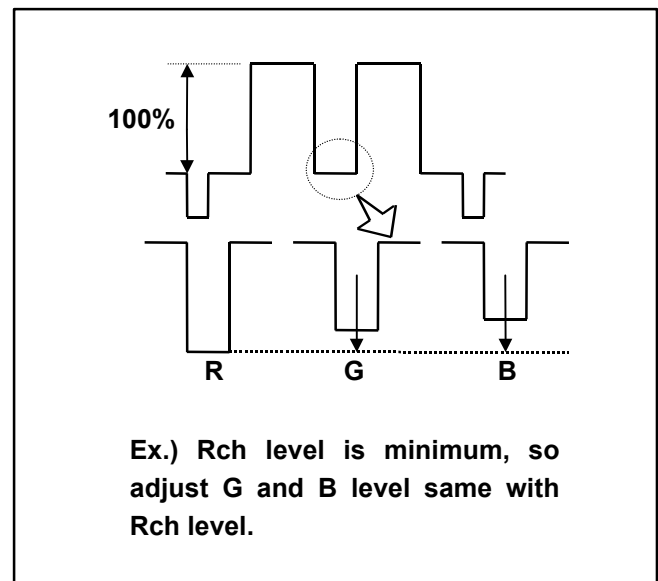
- (1) **COM:[1E] DATA:[32] ADR:[00] [Enter]**
- (2) **COM:[0E] DATA:[00] ADR:[0B] [Enter]**
- (3) Adjust by [←] / [→].

[ Gch ]

- (1) **COM:[1E] DATA:[33] ADR:[00] [Enter]**
- (2) **COM:[0E] DATA:[00] ADR:[0C] [Enter]**
- (3) Adjust by [←] / [→].

[ Bch ]

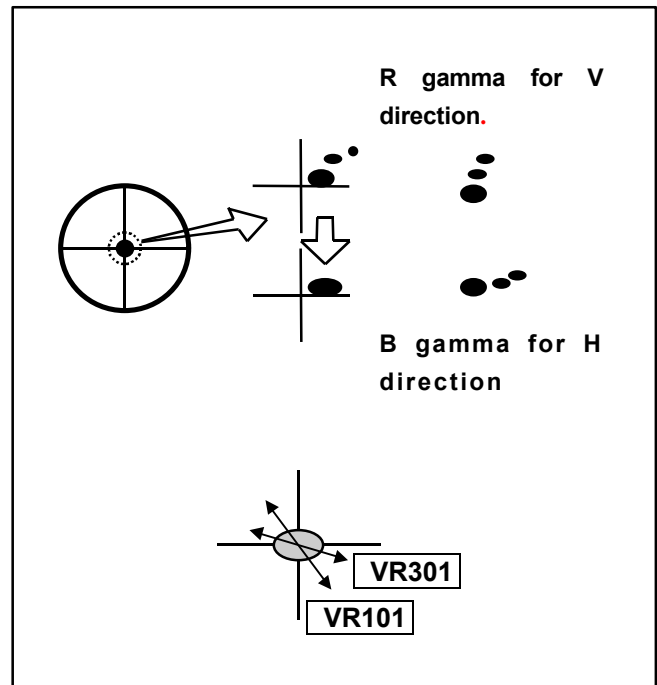
- (1) **COM:[1E] DATA:[34] ADR:[00] [Enter]**
- (2) **COM:[0E] DATA:[00] ADR:[0D] [Enter]**
- (3) Adjust by [←] / [→].



#### 4-6-4. R,B Gamma(1) Adjustment

Board	CAM SYSCON, PREAMP
Specification	Set the vector dots to one dot, then set it on the origin.
Test Point	CAM OUT (75 ohm termination)
Adjustment Point	VR101[R LVL] (PRE AMP) VR301[B LVL] (PRE AMP) EVR
F.NBR	See Below ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	WFM, Vector Scope

- Set the **EVR** as shown below.  
**COM:[1E] DATA:[27] ADR:[00] [Enter]**
- Set a lens extender and Ratio converter is **X1** condition.
- Set the **WHITE BAL SW** to **PRST** and operate **ABB**.
- Connect **CAM OUT** to a Waveform monitor, and adjust Iris so that the peak level is **100%**.
- Confirm the Iris is **F11+/- 1/2**.
- If the vector dot is more than one, adjust **EVR** so that the vector dot is one.



##### [ R Gamma]

- COM:[0E] DATA:[80] ADR:[09] [Enter]**
- Adjust EVR by [↶]/[→].

##### [ B Gamma]

- COM:[0E] DATA:[80] ADR:[0A] [Enter]**
- Adjust EVR by [↶]/[→].

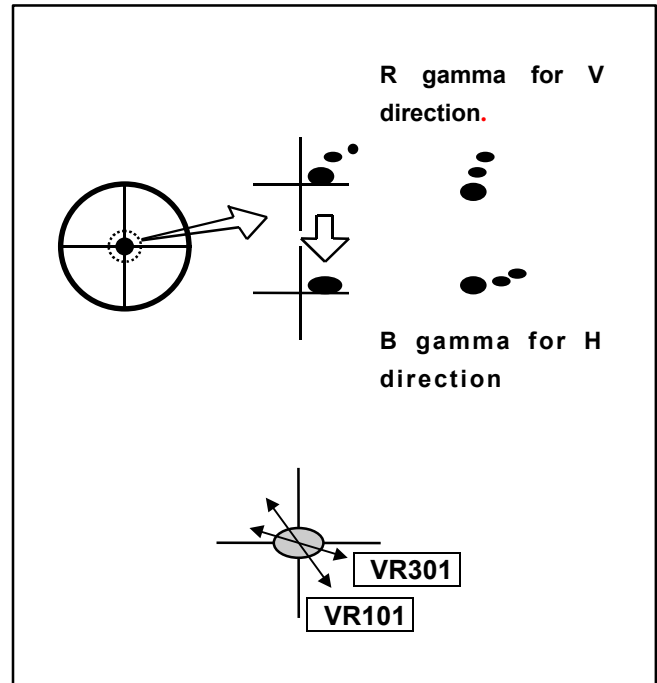
\* Vector Scope, set the Gain is MAX.

- If the vector dot is not on the origin, adjust **VR101**[R LVL] and **VR301**[B LVL].  
If the vector dot is more than one, adjust **item 6,7** alternately.

#### 4-6-5. R,B Gamma(2) Adjustment

Board	CAM SYSCON, PREAMP
Specification	Set the vector dots to one dot, then set it on the origin.
Test Point	CAM OUT (75 ohm termination)
Adjustment Point	VR101[R LVL] (PRE AMP) VR301[B LVL] (PRE AMP) EVR
F.NBR	See Below ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	WFM, Vector Scope

- Set the **EVR** as shown below.  
**COM:[1E] DATA:[47] ADR:[00] [Enter]**
- Set a lens extender and Ratio converter is **X1** condition.
- Set the **WHITE BAL SW** to **PRST** and operate **ABB**.
- Connect **CAM OUT** to a Waveform monitor, and adjust Iris so that the peak level is **100%**.
- Set the Camera Recorder switches as shown below.  
**SHUTTER : 1/1000**
- Set the EVR as shown below.  
**COM:[0E] DATA:[6C] ADR:[0A] [Enter]**
- If the vector dot is more than one, adjust **EVR** so that the vector dot is one.



##### [ R Gamma]

- COM:[0E] DATA:[80] ADR:[09] [Enter]**
- Adjust EVR by [↶]/[→].

##### [ B Gamma]

- COM:[0E] DATA:[6C] ADR:[0A] [Enter]**
- Adjust EVR by [↶]/[→].

\* Vector Scope, set the Gain is MAX.

- If the vector dot is not on the origin, adjust **VR101**[R LVL] and **VR301**[B LVL].  
If the vector dot is more than one, adjust **item 6,7** alternately.



#### 4-6-6. R,B Gamma(3) Adjustment

Board	CAM SYSCON, PREAMP
Specification	Set the vector dots to one dot, then set it on the origin.
Test Point	CAM OUT (75 ohm termination)
Adjustment Point	VR101[R LVL] (PRE AMP) VR301[B LVL] (PRE AMP) EVR
F.NBR	See Below ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	WFM, Vector Scope

9. Set the **EVR** as shown below.

**COM:[1E] DATA:[27] ADR:[00] [Enter]**

10. Set a lens extender and Ratio converter is **X1** condition.

11. Set the **WHITE BAL SW** to **PRST** and operate **ABB**.

12. Connect **CAM OUT** to a Waveform monitor, and adjust Iris so that the peak level is **100%**.

13. Set the Camera Recorder switches as shown below.

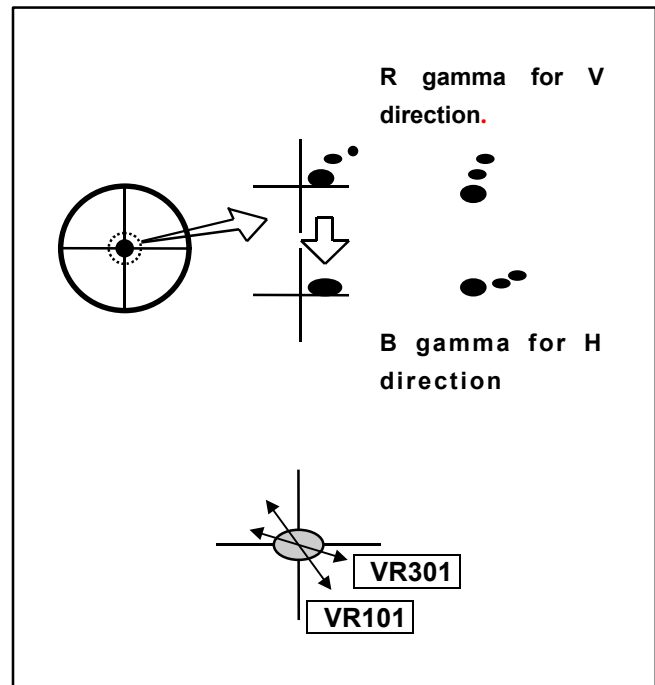
SHUTTER : **1/1000**

GAIN : **+36dB**

14. Set the EVR as shown below.

**COM:[0E] DATA:[6C] ADR:[0A] [Enter]**

15. If the vector dot is more than one, adjust **EVR** so that the vector dot is one.



14. Set the EVR as shown below.

**COM:[0E] DATA:[6C] ADR:[0A] [Enter]**

15. If the vector dot is more than one, adjust **EVR** so that the vector dot is one.

#### [ R Gamma]

(1) **COM:[0E] DATA:[80] ADR:[09] [Enter]**

(2) Adjust EVR by [↶]/[→].

#### [ B Gamma]

(1) **COM:[0E] DATA:[80] ADR:[0A] [Enter]**

(2) Adjust EVR by [↶]/[→].

\* Vector Scope, set the Gain is MAX.

16. If the vector dot is not on the origin, adjust **VR101**[R LVL] and **VR301**[B LVL].

If the vector dot is more than one, adjust **item 6,7** alternately.

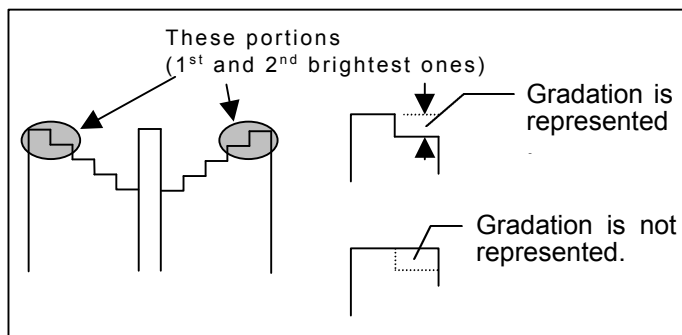
#### 4-6-7. Dynamic Range (Auto Knee) Adjustment

Board	CAM SYSCON, PREAMP
Specification	See below
Test Point	CAM OUT (75 ohm termination)
Adjustment Point	Service Adj. 2/2 In the Service Menu
F Value	See Below ( 2000 Lux / 3100 K )
Chart	Gray Scale
M. EQ.	WFM, Vector Scope

Note : Set the WFM Monitor as follows.  
RESPONSE = LUM, GAIN = X5

- Set the EVR as follows.  
**COM : [1E] DATA : [3A] ADR : [00] [Enter]**  
(White Clip level set to 110%)
- Set the **WHITE BAL SW** from **PRST** to **A**.
- Shoot the Gray Scale chart and adjust the zoom position so that the both ends of Gray Scale are fitted to the both ends of the monitor screen.
- Adjust the iris so that the white peak level of Gray Scale is 80%, and perform **AWB**.
- Perform **ABB**, then perform the step 4 again.
- Adjust the iris so that the level is 100% at the CAM OUT, and confirm the value of F-number.
- Set the iris to F5.6. And set the aspect ratio to 4:3 mode.
- Open the page of the SERVICE ADJ 2/2 in the service menu.
- Adjust R GAMMA (4) of SERVICE ADJ 2/2 so that the brightest portion (100% WHITE) of Gray Scale is 103 – 104%.
- Set the iris to “open”.
- Decrease the value of B GAMMA (4). When the value of B GAMMA (4) is decreased, the signal level also decreases. When the value of B GAMMA (4) reaches a certain value, the signal level does not decrease any more even if the value of B GAMMA (4) is decreased more. Confirm the value of B GAMMA (4) when the signal level just stops decreasing. Fix the value of B GAMMA (4) to that value.
- Set the iris so that the signal level is 100%.
- Set the EVR as follows.  
**COM : [1E] DATA : [3B] ADR : [00] [Enter]**  
(White Clip level set to 105%)

- Open the iris slowly from F11 and adjust R GAMMA (4) of the SERVICE ADJ 2/2 so that the Auto Knee function is started from 104%-105% video level.
- Open the iris slowly from close position. Confirm that peak level of white portion is 104%(+1% -0.5%) during Auto Knee function is working. If it is not, adjust R GAMMA (4). If R GAMMA (4) is adjusted again, go back to previous step and adjust R GAMMA (4) until both conditions is cleared.
- If it is not cleared both step14 and 15, adjust KNEE GAIN so that white peak level is 104%(+1% -0.5%).
- Repeat the steps 14 – 16 until the gradation falls into being represented no more. And confirm the value of F-number. (Repeat of the steps 14-16 must be ended at step 15 or 16.)
- Compare the F-number at the above step 6 with that confirmed at the step 17, and confirm that the difference of F-number is more than 2 stops.
- Set the EVR as follows.  
**COM : [1E] DATA : [3A] ADR : [00] [Enter]**  
(White Clip level set to 110%)
- Adjust B GAMMA (4) of SERVICE ADJ 2/2 so that the brightest portion (100% WHITE) of Gray Scale is 110%.
- Confirm that the gradation is represented at the range of F-numbers from F11 to the F-number confirmed at the above step 17. If it is not, repeat all steps again.



## 4-7.SERVO

### 4-7-1.Reel Torque Offset Adjustment

Board	SERVO
Specification	20mV +/- 2mV
Test Point	TP301[S], TP302[T] TG300[GND] TP116[5V], TP505, Sensor LED
Adjustment Point	VR502[S], VR501[T]
Mode	PLAY
Tape	-
M. EQ.	DVM

1. Confirm the power of Camera Recorder is off and shorten **TP116** and **TP505**.
2. Turns power on, then cover the cassette tape detection LED by black tube, and make a loading without a cassette.
3. Hold the S reel by a hand and make PLAY mode.
4. Connect a Digital Volt Mete to **TP301[S]** and adjust **VR502[S]** so that the voltage is in the specification.
5. Connect a DVM to **TP302[T]** and adjust **VR501[T]** so that the voltage is in the specification.
6. Turns power off after adjustment, and remove the short pin and the black tube.

<Note>

Please make the black tube by yourself.

### 4-7-2. Tension Offset Adjustment

Board	SERVO
Specification	2.5V +/- 0.1V
Test Point	TP402
Adjustment Point	VR402
Mode	EJECT
Tape	-
M. EQ.	DVM

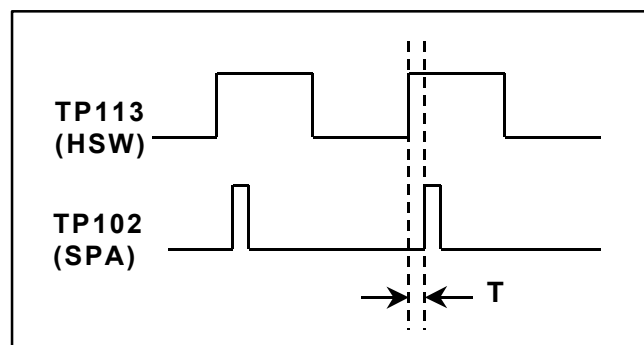
1. Connect a DVM to **TP402** and adjust **VR402** so that the voltage is in the specification.

### 4-7-3. PG Shifter Adjustment

Board	SERVO
Specification	T = 126.3uS +/- 2.5uS
Test Point	TP102[SPA], TP113[HSW]
Adjustment Point	VR102
Mode	PLAY
Tape	NTSC: VFM3580KM PAL : VFM3680KM
M. EQ.	Oscilloscope

1. Playback an alignment tape.
2. Connect a scope to **TP102** and adjust **VR102** so that the timing is in the specification.

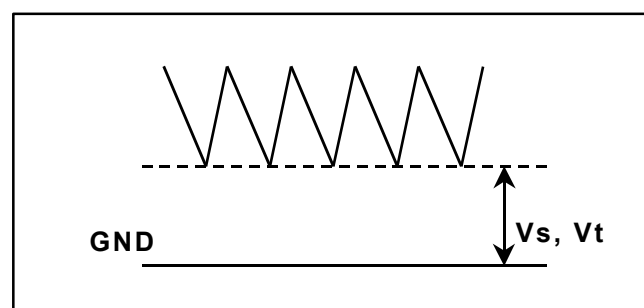
Use TP113 as trigger.



### 4-7-4. Tape End Detect Level Confirmation

Board	SERVO
Specification	Vs, Vt = 3.2V +/- 0.8V
Test Point	TP503(P620-9pin) TP504(P620-12pin)
Adjustment Point	VR503, VR504
Mode	-
Tape	VFK1423(Tape End Detect Adjustment Cassette)
M. EQ.	Oscilloscope

1. Insert an adjustment cassette **VFK1423** .  
This cassette can insert same with a normal tape.
2. Connect a scope to **TP503[V<sub>s</sub>]** and adjust **VR503** so that the voltage is in the specification.
3. Connect a scope to **TP504[V<sub>t</sub>]** and adjust **VR504** so that the voltage is in the specification.



## 4-8. VIDEO I/F (1)

### 4-8-1.PLL POS Adjustment

Board	VIDEO I/F
Specification	$B = A \pm 10\%$
Test Point	TP101[HWIN], TP102[HP]
Adjustment Point	EVR
Input Signal	CAMERA (Color Bar)
Mode	EE
Tape	-
M. EQ.	Oscilloscope

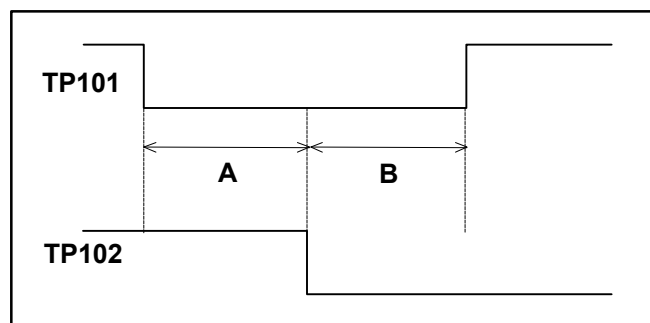
#### Menu Setting

- While pressing **[SHIFT][+][-]** keys and set **[MENU]**.
- Set Menu as shown below.

PAGE: SERVICE ADJ.  
 ECU CONNECT : **EVR**  
 IF ADJ. : **OFF**

#### EVR Setting

- Set the EVR to **COM:[02] DATA:[75] ADR:[1B]**.
- Connect scope to **TP101** and **TP102** and adjust EVR so that the ratio of A and B is in the specification by EVR **[Page Up]/[Page Down]**.



### 4-8-2.INH\_POS Adjustment

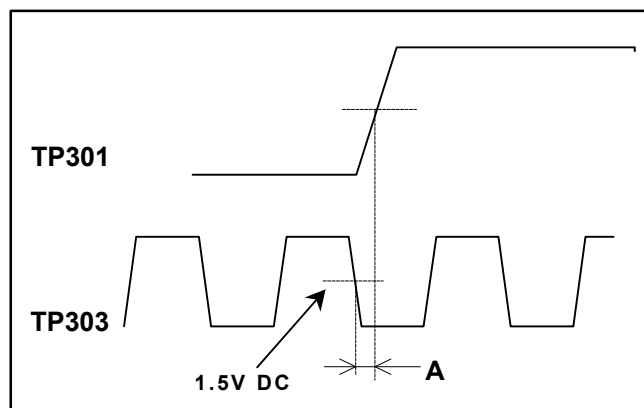
Board	VIDEO I/F
Specification	$A = 0 \pm 10\text{nS}$
Test Point	TP301[ODD_EVN], TP303[CLK]
Adjustment Point	VR501[INH_POS]
Input Signal	CAMERA (Color Bar)
Mode	EE
Tape	-
M. EQ.	Oscilloscope

#### Menu Setting

- While pressing **[SHIFT][+][-]** keys and set **[MENU]**.

PAGE: SERVICE ADJ.  
 IF ADJ. : **OFF**

- Adjust **VR501** so that the center of rising edge of TP301 and center of falling edge of TP303 is crossed.



### 4-8-3.PB Timing Adjustment

Board	VIDEO I/F
Specification	A = +/-20nS (CAMERA)
Test Point	TP501[AD_Y], TP502[AD_PB]
Adjustment Point	VR403[PB_TMG]
Input Signal	CAMERA (Color Bar)
Mode	EE
Tape	-
M. EQ.	Oscilloscope

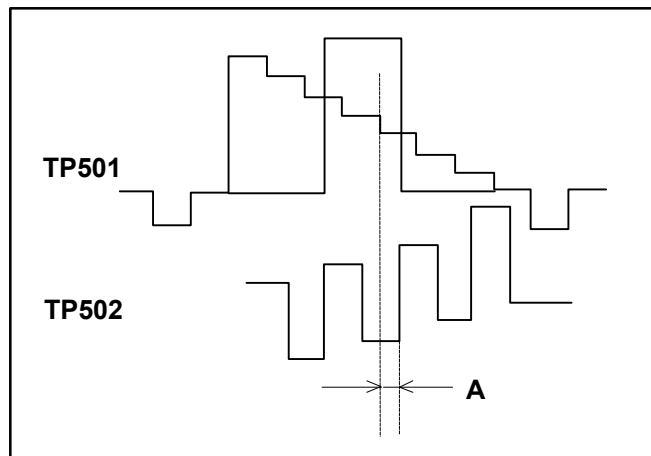
#### Menu Setting

1. While pressing **[SHIFT][+][-]** keys and set **[MENU]**.
2. Set the Menu as shown below.

PAGE: SERVICE ADJ.

IF ADJ. : **OFF**

3. Adjust **VR403** so that the phase difference A between **TP501** and **TP502** is 0 +/- 20 nS.



### 4-8-4.PR Timing Adjustment

Board	VIDEO I/F
Specification	A = +/-20nS (CAMERA)
Test Point	TP501[AD_Y], TP503[AD_PR]
Adjustment Point	VR406[PR_TMG]
Input Signal	CAMERA (Color Bar)
Mode	EE
Tape	-
M. EQ.	Oscilloscope

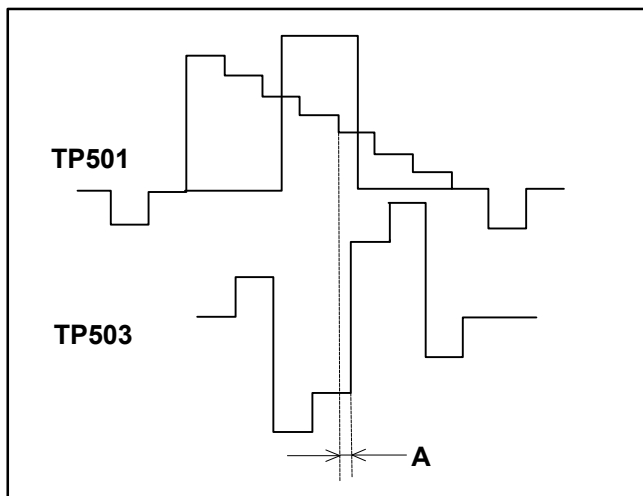
#### Menu Setting

1. While pressing **[SHIFT][+][-]** keys and set **[MENU]**.
2. Set the Menu as shown below.

PAGE: SERVICE ADJ.

IF ADJ. : **OFF**

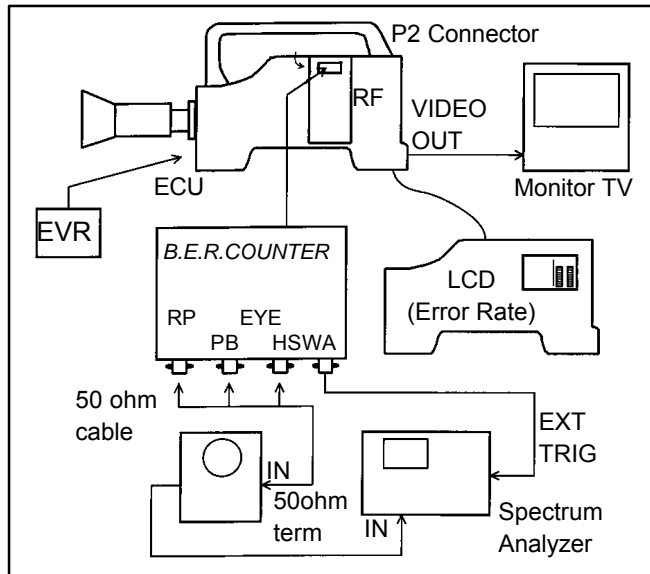
3. Adjust **VR406** so that the phase difference A between **TP501** and **TP502** is 0 +/- 20 nS.



## 4-9 RF ADJUSTMENT

### 4-9-1. System hookup and settings.

1. Connect the Camera recorder with the RF adjustment system as shown below.



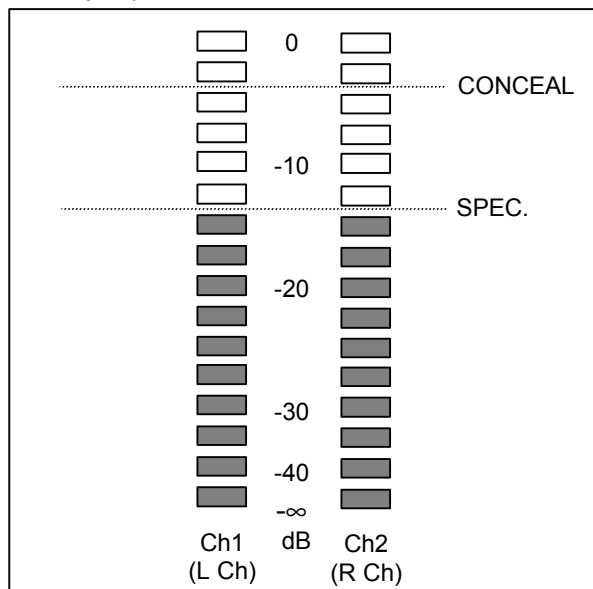
### 4-9-2. About the Byte ERROR DISPLAY.

1. AJ-D610WA, equipped the Byte Error rates Display function.
2. When execution to the Byte Error rate display function. Set to the "DESIGN MENU" as shown below.

PAGE: DESIGN

**BER ADJ : ON**

3. Described the Actual Error display part (LCD Audio meter part) as follows.



### 4-9-3. PLL VCO Adjustment

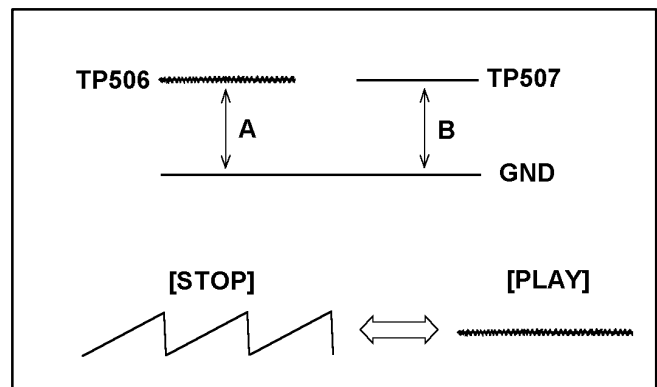
Board	RF
Specification	A = B
Test Point	TP506, TP507
Adjustment Point	EVR
Mode	PLAY
Tape	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Oscilloscope

#### Menu setting

1. Pressing **[SHIFT]**, **[+]** and **[-]** buttons, set MENU switch to SET position.
2. Set as follows:  
PAGE : SERVICE ADJ 1/2.  
SERVO MODE : **CTL**  
CONCEAL : **OFF**
3. After setting turn the menu OFF.

#### EVR Setting

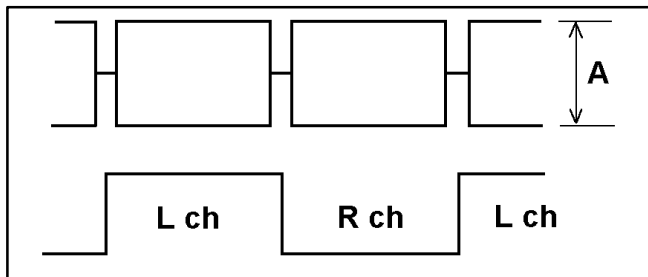
4. Set the EVR as shown below.  
**COM:[02] DATA:[7A] ADR:[0B] [Enter]**
5. Monitor the **TP506** and **507** in the DC mode.
6. Press the **[←]** or **[→]** key in EVR so that the levels A and B are the same.
7. After adjusting change **SERVO MODE** to **ATF**.



#### 4-9-4. R/P Envelope Level Confirmation

Board	RF
Specification	A = higher than 70mVp-p
Test Point	R/P ENV (B.E.R.COUNTER) TP300[HID]
Mode	PLAY
Tape	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Oscilloscope

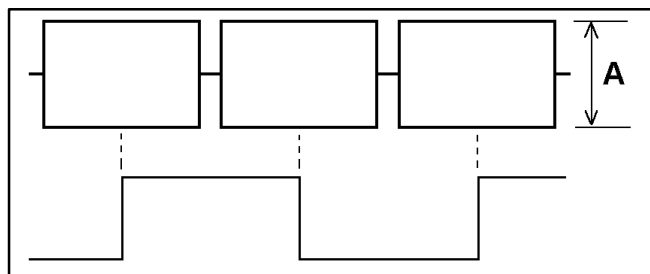
1. Confirm that the waveform is flat.



#### 4-9-5. PB Envelope Level Adjustment

Board	RF
Specification	A = 100mV+/-10mV
Test Point	PB ENV (B.E.R.COUNTER)
Adjustment	VR400(PB L), VR401(PB R)
Mode	PLAY
Tape	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Oscilloscope

1. Confirm that the waveform is as shown in figure below.
2. Adjust the **VR400**(L ch) and **VR401**(R ch) so that the level A is within specification.



#### 4-9-6. PB Equalizer Adjustment 1(Manual)

Board	RF
Specification	A = 20.93MHz+/-0.1MHz
Test Point	EYE PAT (B.E.R.COUNTER)
Adjustment	EVR
Mode	PLAY
Tape	VFM3580KM (NTSC) VFM3680KM (PAL)
M. EQ.	Spectrum Analyzer, EVR

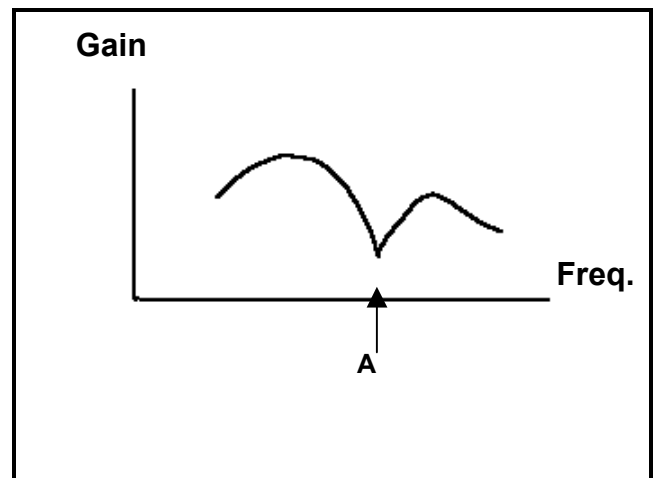
##### Menu Setting

1. Open the operation panel.
2. Pressing **[SHIFT]**, **[+]** and **[-]** buttons, set MENU switch to SET position.
3. Set as follows:  
PAGE : SERVICE ADJ.  
ECU CONNECT :EVR  
CONCEAL :OFF  
INNER ECC :OFF  
OUTER ECC :OFF
4. After setting turn the menu OFF.

##### EVR Setting

COM:[02] DATA:[C4] ADR:[0E] [Enter]

1. Press the [**←**] or [**→**] key in EVR so that the frequency at **A** portion is within specification.



#### 4-9-7. PB Equalizer Adjustment 2(Manual)

Board	RF
Specification	Error counter : less than -2.7 Monitor TV : No Noise
Test point	VIDEO OUT LCD (Error rate Display)
Adjustment point	EVR
Mode	PLAY
Tape	VFM3580KM (NTSC) VFM3680KM (PAL)
M.EQ	Monitor TV

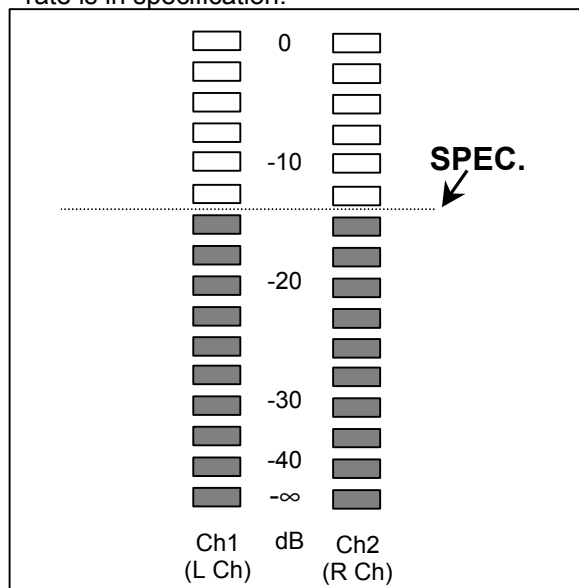
##### Menu Setting

- Pressing **[SHIFT]**, **[+]**, **[-]** and **[PAGE]** buttons, set MENU switch to SET position.
- Set as follows:  
PAGE : DESIGN  
BER ADJ : ON  
BER SPEED : FAST

##### EVR Setting

COM:[02] DATA:[90] ADR:[07][Enter] (EQ α L)  
 COM:[02] DATA:[90] ADR:[08][Enter] (EQ α R)  
 COM:[02] DATA:[35] ADR:[09][Enter] (EQ β L)  
 COM:[02] DATA:[35] ADR:[0A][Enter] (EQ β R)  
 COM:[02] DATA:[66] ADR:[0D][Enter] (PLL SL)  
 COM:[02] DATA:[9E] ADR:[0F][Enter] (PLL POS.)  
 COM:[02] DATA:[CC] ADR:[10][Enter] (AUTO EQ)

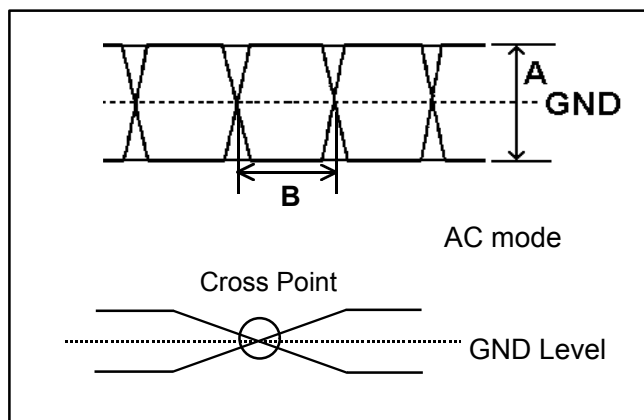
- Connect the VIDEO OUT to monitor TV.
- Repeat adjusting the **EQ a L**, **EQ b L**, **PLL SL**, **PLL POS** and **AUTO EQ** until the error rate is minimized.  
(Start from the initial setting mentioned above and press **[→]** or **[←]** key in EVR to adjust.)
- Fine adjust the **EQ a R** and **EQ b R** until the error rate is in specification.



#### 4-9-8. HSE Input Confirmation

Board	RF
Specification	A = 1.3 +/- 0.2Vp-p B = 24 +/- 1nS
Test point	TP201, TP300(Trigger)
Adjustment point	VR200 [DUTY]
Mode	REC
Input signal	Internal Color Bar
Tape	Blank Tape
M.EQ	Oscilloscope

- Set the oscilloscope to AC mode.
- Monitor the **TP201** and confirm that A is 1.3+/-0.2V and B is 24+/-1ns.
- Expand the time of oscilloscope and set the AC mode. Adjust VR200 so that the cross point of rising edge and falling edge is GND level.

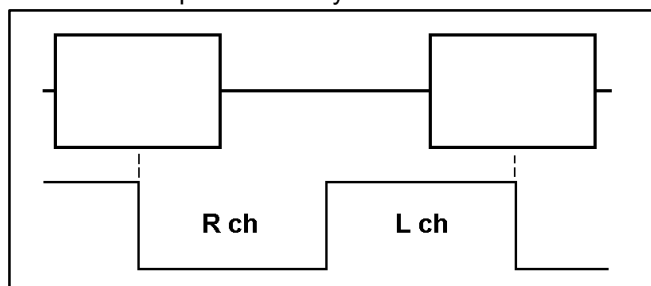




#### 4-9-9. Rec Current and Frequency Adjustment (L Ch). (Manual)

Board	RF
Specification	As shown below
Test point	PB ENV (B.E.R.COUNTER) TP300
Adjustment point	EVR
Input signal	Internal Color Bar
Mode	PLAY, REC
Tape	VFM3580KM (NTSC) VFM3680KM (PAL) Blank Tape
M.EQ	Oscilloscope, Spectrum Analyzer

1. Play back the color bar tape and monitor the HSW and PB ENV(50ohm terminated).
2. Input the PB ENV to the spectrum analyzer.
3. Set the Spectrum analyzer as shown below.



START FREQ : 0MHz  
 STOP FREQ : 25MHz  
 RES BW : 1MHz  
 VIDEO BW : 1kHz  
 SWEEP TIME : 100Ms  
 DB/div : 2dB  
 REF LEVEL : -33 dB  
 ATTEN : 10 dB  
 TRIGGER : EXT

4. Store the average of 30 samples in TRACE B.
5. Eject the alignment tape and insert the blank tape.
6. Monitor the PB envelope in the spectrum analyzer without averaging.
7. Set the EVR as shown below.

**CMD :[02] DATA :[80] ADR :[20] (REC CUR L)**  
**CMD :[02] DATA :[80] ADR :[21] (REC CUR R)**

Press the [→] or [←] key in EVR so that the level of confidence PB at 5MHz is 4dB lower than that of TRACE B.

8. Set the EVR as shown below.

**CMD :[02] DATA :[BB] ADR :[1E] (REC FRE L)**  
**CMD :[02] DATA :[BB] ADR :[1F] (REC FRE R)**

Press the [←] key in EVR until the level at 20MHz is maximized first. (Each adjustment for REC FRE L and REC FRE R)

9. Set the EVR to **REC CUR L** mode.

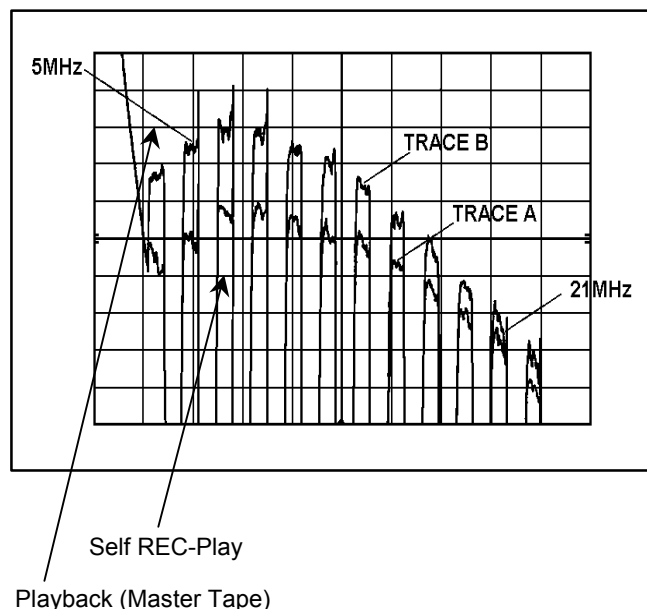
**CMD :[02] DATA :[80] ADR :[20] (REC CUR L)**  
**CMD :[02] DATA :[80] ADR :[21] (REC CUR R)**

Press the [→] or [←] so that the level at 5MHz is the same as TRACE B. (Each adjustment for REC CUR L and REC CUR R)

#### <Note>

If the level of PB part at 0-20MHz is lower than TRACE B, adjust the **[REC CUR L]** so that the spectrum of PB part is a similar figure to TRACE B in the range less than 20MHz.

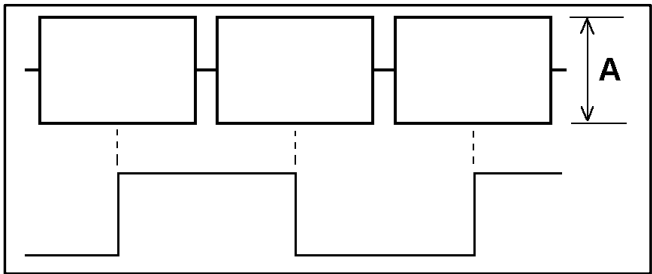
If the level of PB part at 20MHz is higher than TRACE B, adjust so that the level of confidence PB around 5MHz is the same as TRACE B regardless of similarity.



4-9-10. Confidence PB Adjustment

Board	RF
Specification	A = 100mV+/-10mV
Test point	PB ENV, HSW(B.E.R.COUNTER) (50ohm terminated)
Adjustment point	VR400(PB L), VR401(PB R)
Input signal	Internal Color Bar
Mode	REC
Tape	Blank Tape
M.EQ	Oscilloscope

- 1. Adjust the **VR400** and **VR401** so that the level A is within specification in confidence PB.



## 4-10. VIDEO MAIN

### 4-10-1.AUDIO\_VCO Adjustment

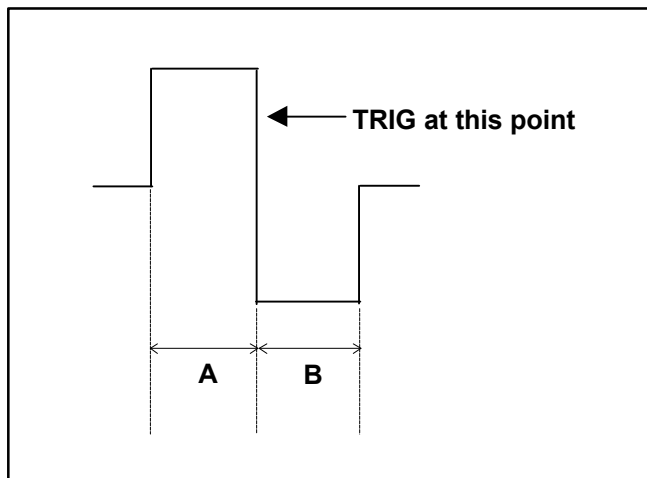
Board	VIDEO _MAIN, RF
Specification	A = B+/-5%
Test Point	TP1[DET] (RF)
Adjustment Point	EVR
Input Signal	Internal Color Bar
Mode	EE
Tape	-
M. EQ.	Oscilloscope

#### Menu Setting

1. While pressing the keys **[SHIFT][+][-]** on the operation panel and set **[MENU]** switch.
2. Set the menu as shown below.  
PAGE: SERVICE ADJ 1/2.  
ECU CONNECT : **EVR**

#### EVR Setting

3. Set EVR as shown below.  
**COM:[02] DATA:[80] ADR:[04]**
4. Connect a scope to **TP1** and adjust **EVR** so that the width A and B are same by **[Page Up]/[Page Down]**.
5. Close the Menu.

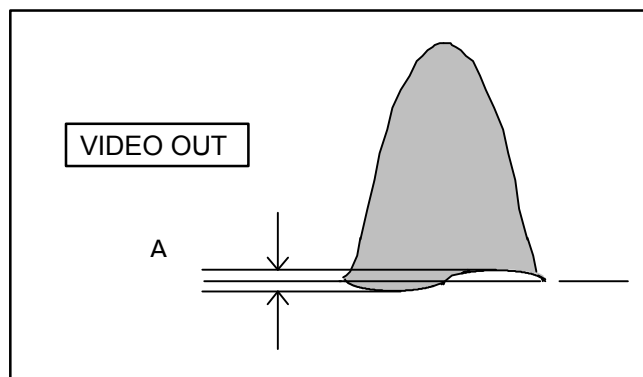


### 4-10-2.Y/C Timing Confirmation

Board	VIDEO _MAIN
Specification	A = Minimum Level (flat)
Test Point	VIDEO OUT
Adjustment Point	DESIGN MENU
Input Signal	-
Mode	25M / PLAY
Tape	VFM3580KM (PULSE & BAR) VFM3680KM (PULSE & BAR)
M. EQ.	Oscilloscope

#### Menu Setting

1. While pressing the keys **[SHIFT][+][-][PAGE]** on the operation panel and set **[MENU]** switch.
2. Set the menu as shown below.  
PAGE: DESIGN  
LUMA DELAY : **0/ 1/ 2/ 3**
3. Playback an alignment tape (PULSE & BAR).
4. Connect a scope to **VIDEO OUT** and set **[DESIGN MENU]** so that the level A is minimum.
5. Close the menu.



## 4-11. VIDEO I/F (2)

### 4-11-1.CAMERA IN Vector Adjustment

Board	VIDEO I/F
Specification	*Center of the vector is on the origin of vector scope and A=7mV or less. *Each color is in the inner box
Test Point	VIDEO OUT
Adjustment Point	EVR VR404[PB_LEV] VR407[PB_LEV]
Input Signal	CAMERA (Color bar)
Mode	EE
Tape	-
M. EQ.	Vector Scope

#### Menu Setting

- While pressing **[SHIFT][+][-]** button and set MENU switch.
- Set the Menu as shown below.

PAGE: SERVICE ADJ.

ECU CONNECT : **EVR**

IF ADJ. : **ON**

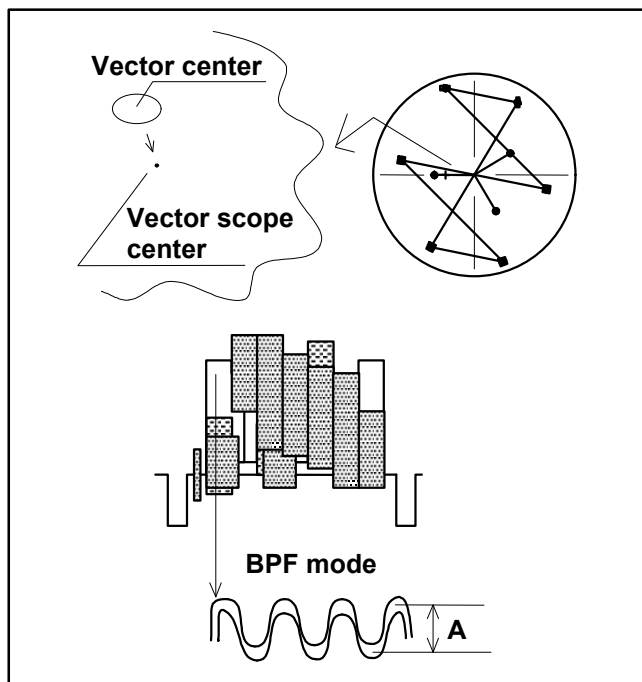
#### EVR Setting

- Set the EVR as shown below.  
**[PB] COM:[02] DATA:[63] ADR:[12]**  
**[PR] COM:[02] DATA:[63] ADR:[13]**
- Connect a vector scope to **VIDEO OUT**, and adjust **VR404,VR407** and **EVR [Page Up]/[Page Down]** so that the vector center is on the origin of the vector scope and level is **A=7mV** or less.

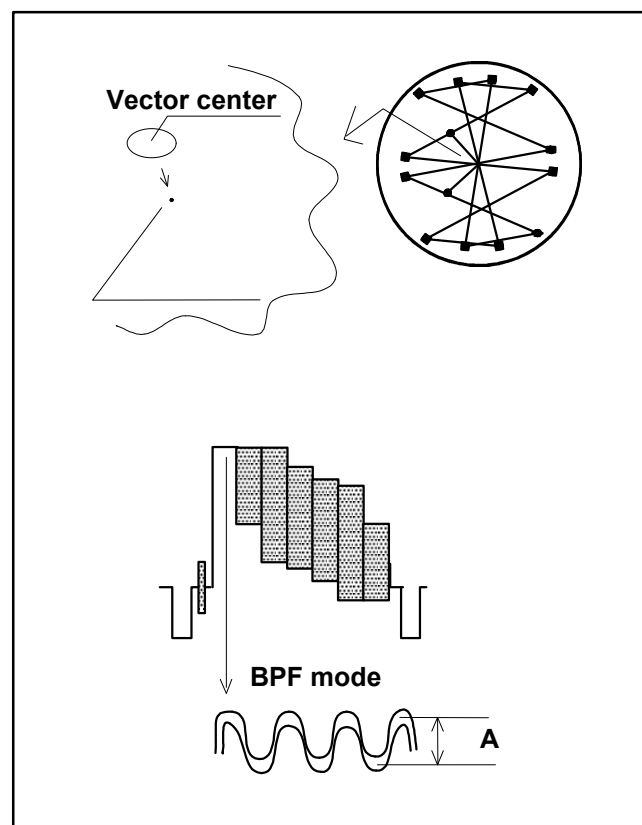
#### <Note>

Do not use the extension board and keep the board in the VCR. If the adjustment is wrong repeat the above adjustments.

<NTSC>



<PAL>



### 4-11-2.Y CLAMP DC Confirmation

Board	VIDEO I/F
Specification	$A = 0 \pm 5\text{mVp-p}$
Test Point	VIDEO OUT
Adjustment Point	EVR
Input Signal	CAMERA (Color Bar)
Mode	EE
Tape	-
M. EQ.	WFM

#### Menu Setting

1. While pressing **[SHIFT][+][-]** button and set MENU switch.
2. Set the Menu as shown below.

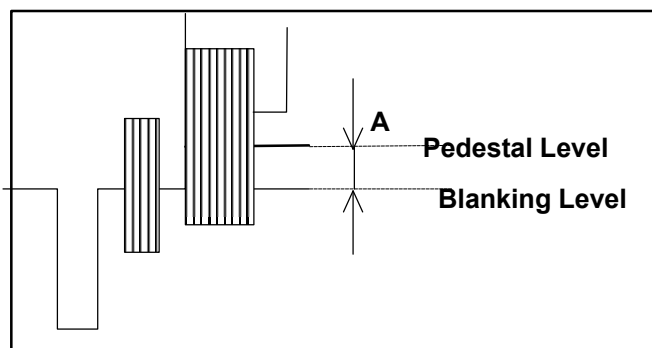
PAGE: SERVICE ADJ.

ECU CONNECT : **EVR**

IF ADJ. : **ON**

#### EVR Setting

3. Set EVR to **COM:[02] DATA:[69] ADR:[4-11]**.
4. Connect a Waveform monitor to **VIDEO OUT** and adjust **EVR [Page Up]/[Page Down]** so that the blanking level and pedestal level is same.



<Note>

Expand the waveform level and confirm the above adjustment, if it is wrong adjust again.

### 4-11-3.Y Level Adjustment

Board	VIDEO I/F
Specification	$A = 1.0\text{V} \pm 0.02\text{Vp-p}$
Test Point	VIDEO OUT
Adjustment Point	VR401[Y_LEV]
Input Signal	CAMERA (Color Bar)
Mode	EE
Tape	-
M. EQ.	WFM

#### Menu Setting

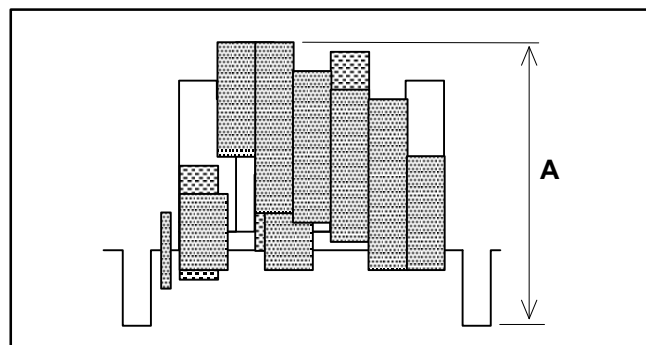
1. While pressing **[SHIFT][+][-]** button and set MENU switch.
2. Set the Menu as shown below.

PAGE: SERVICE ADJ.

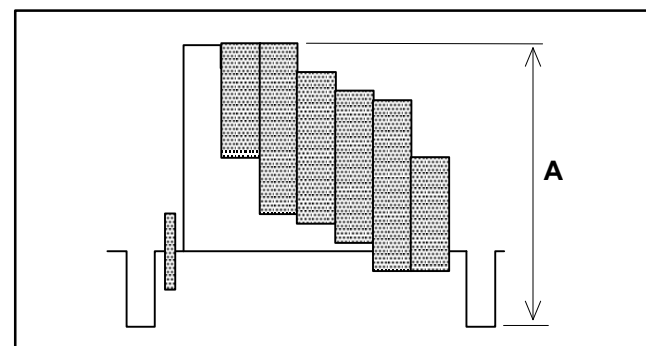
IF ADJ. : **ON**

3. Connect a Waveform and adjust **VR401** so that the level **A** is in the specification.

<NTSC>



<PAL>



## 4-12.AUDIO

### 4-12-1. Initial

#### Menu setting

1. Set [MENU] switch while pushing the [SHIFT][+][-] button of the operation panel.

2. Set the Menu mode as shown below.

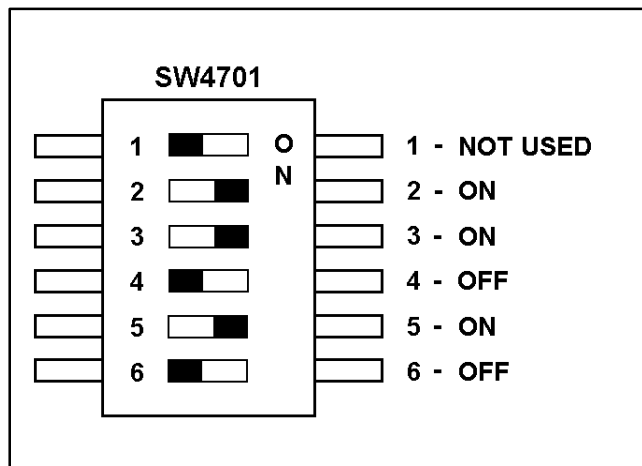
PAGE: FUNCTION 4/5

FRONT POWER	: OFF
FRONT MIC	: -60dB
REAR MIC CH1	: -60dB
REAR MIC CH2	: -60dB
LINE CH1/ CH2	: +4dB
REAR AUDIO	: STEREO
MIC LOWCUT CH1	: OFF
MIC LOWCUT CH2	: OFF
EMPHASIS	: OFF
LIMITER	: OFF
TEST MODE	: NORMAL

3. Set the camera recorder switches as follows.

MONITOR SELECT	: CH1,ST
AUDIO SELECT CH1	: MAN
AUDIO SELECT CH2	: MAN
AUDIO IN CH1	: LINE
AUDIO IN CH2	: LINE
MIC POWER CH1	: OFF
MIC POWER CH2	: OFF
AUDIO LEVEL VR	: CENTER
CUE	: CH1

4. Set **SW4701** on **AUDIO LCD** board as shown below.



#### 4-12-2. Playback Level Adjustment (1)

Board	AUDIO LCD
Spec	NTSC: +4dBu +/- 0.2dB P A L : 0dBu +/- 0.2dB
Test Point	AUDIO OUT
Adjustment	VR4701
Mode	PLAY
Tape	VFM3580KM (No.1: 0-14min) VFM3680KM (No.1: 0-10min)
M. EQ.	Audio Analyzer

1. Adjust **VR4701** so that the **AUDIO OUT** level is in the specification.

#### 4-12-3. Playback Level Adjustment (2)

Board	AUDIO LCD
Spec	CH4-120dBu +/- 0.2dB CH2: -20dBu +/- 0.2dB
Test Point	TP4301 [CH1] TP4401 [CH2]
Adjustment	VR4301 VR4401
Mode	PLAY
Tape	VFM3580KM (No.1: 0-14min) VFM3680KM (No.1: 0-10min)
M. EQ.	Audio Analyzer

1. Adjust **VR4301** so that the level at **TP4301** is in the specification.
2. Adjust **VR4401** so that the level at **TP4401** is in the specification.

#### 4-12-4. Recording Level Adjustment

Board	AUDIO LCD
Spec	NTSC: +4dBu +/- 0.2dB (Ch4-12) P A L : 0dBu +/- 0.2dB (Ch4-12)
Test Point	AUDIO OUT
Adjustment	VR4102 [CH1] VR4202 [CH2]
Input Signal	NTSC: 1kHz, +4dBu P A L : 1kHz, 0dBu Sine Wave/ REAR (CH1/CH2)
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer

1. Set the **AUDIO LEVEL VR (REC LEVEL) CH1/CH2** at center position.
2. Set the Camera Recorder SW as shown below.  
MONITOR SELECT : **CH1,ST**
3. Adjust **VR4102** so that the output Level at **AUDIO OUT** is in the specification.
4. Set the Camera Recorder SW as shown below.  
MONITOR SELECT : **CH2,ST**
5. Adjust **VR4202** so that the output Level at **AUDIO OUT** is in the specification.

#### 4-12-5. Meter Adjustment

Board	AUDIO LCD
Spec	NTSC: +0.69V +/- 0.005V (Ch4-12) PAL: +0.78V +/- 0.005V (Ch4-12)
Test Point	CH1: TP4102, CH2: TP4202
Adjustment	CH1: VR4103, CH2: VR4203
Input Signal	NTSC: 1kHz, +4dBu PAL: 1kHz, 0dBu Sine Wave / REAR (CH1/CH2)
Mode	STOP
Tape	-
M. EQ.	DVM, Audio Analyzer

##### For NTSC

1. Adjust **VR4103** so that the DC Level at **TP4102** is in the specification.
2. Confirm **LCD Level Meter** indicates at **- 20dB**.
3. Adjust **VR4203** so that the DC Level at **TP4202** is in the specification.
4. Confirm the **LCD Level Meter** indicates at **-20dB**.

##### For PAL

5. Adjust **VR4103** so that the DC Level at **TP4102** is in the specification.
6. Confirm **LCD Level Meter** indicates at **- 18dB**.
7. Adjust **VR4203** so that the DC Level at **TP4202** is in the specification.
8. Confirm the **LCD Level Meter** indicates at **-18dB**.

#### 4-12-6. REAR MIC Level Confirmation

Board	AUDIO LCD
Spec	NTSC: A=+4dBu+/-1.0dB (Output Level ) B=-51dBu or less [A WTG] (noise Level )  P A L : A=0dBu+/-1.0dB (Output Level ) B=-55dBu or less [A WTG] (noise Level )
Test Point	AUDIO OUT
Adjustment	-
Input Signal	1kHz, -60dBu Sine Wave / REAR(CH1/CH2)
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer

1. Set the Camera Recorder SW as shown below.

MONITOR SELECT :CH1,ST  
 AUDIO IN CH1 :REAR MIC  
 AUDIO IN CH2 :REAR MIC

2. Confirm the Output Level at **AUDIO OUT** is in the specification A.
3. Supply no audio input, then confirm the noise Level is in the specification B.  
Noise Level should be measured via A weighting filter.

4. Set the Camera Recorder SW as shown below.

MONITOR SELECT :CH2,ST

5. Confirm the Output Level at **AUDIO OUT** is in the Specification A.
6. Supply no audio input, then confirm the noise Level is in the specification B.  
Noise Level should be measured via A weighting filter.



#### 4-12-7. FRONT MIC Level Confirmation

Board	AUDIO LCD
Spec	NTSC: A=+4dBu+/-1.0dB (Output Level ) B=-46dBu or less [A WTG] (noise Level )  P A L : A = 0dBu+/-1.0dB (Output Level ) B=-50dBu or less [A WTG] (noise Level )
Test Point	AUDIO OUT
Adjustment	-
Input Signal	1kHz, -60dBu Sine Wave / REAR(CH1/CH2)
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer

1. Set the Camera Recorder switches as shown below.

MONITOR SELECT :CH1, ST  
AUDIO IN CH1 :FRONT MIC  
AUDIO IN CH2 :FRONT MIC

2. Set the Audio CH1 VR as **10** (MAX) on Front.
3. Confirm the output level at **AUDIO OUT** is in the Specification A.
4. Supply no audio input, then confirm the noise level is in the specification B.  
Noise Level should be measured via A weighting filter.
5. Set the Camera Recorder SW as shown below.

MONITOR SELECT :CH2, ST

6. Confirm output level at **AUDIO OUT** is in the specification A.
7. Supply no audio input, then confirm noise level is in the specification B.  
Noise Level should be measured via A weighting filter.

#### 4-12-8. LIMITER Level Confirmation

Board	AUDIO LCD
Spec	NTSC: +20.5dBu +/- 2.0dB P A L : +14.5dBu +/- 2.0dB
Test Point	AUDIO OUT
Adjustment	-
Input Signal	1kHz, -30dBu Sine Wave / FRONT
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer

1. Set the Camera Recorder Switches and menu item as shown below.

MONITOR SELECT :CH1, ST  
AUDIO IN CH1 :FRONT MIC  
AUDIO IN CH2 :FRONT MIC

PAGE: MIC/AUDIO  
LIMITER :ON

2. Set the Audio CH1 VR as **10** (MAX) on Front.
3. Confirm the output level at **AUDIO OUT** is in the specification.
4. Set the Camera Recorder SW as shown below.

MONITOR SELECT :CH2, ST

5. Confirmation the output level at **AUDIO OUT** is in the specification.

#### 4-12-9. AGC Level Confirmation

Board	AUDIO LCD
Spec	NTSC: +8.5dBu+/-2.0dB P A L : +2.5dBu+/-2.0dB
Test Point	AUDIO OUT
Adjustment	-
Input Signal	1kHz, -30dBu Sine Wave / FRONT
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer-

1. Set the Camera Recorder SW as shown below.

MONITOR SELECT :CH1,ST  
AUDIO SELECT CH1 :AUTO  
AUDIO SELECT CH2 :AUTO  
AUDIO IN CH1 :FRONT MIC  
AUDIO IN CH2 :FRONT MIC

2. Confirmation output level at **AUDIO OUT** is in the specification.

3. Set the Camera Recorder SW as shown below.

MONITOR SELECT :CH2,ST

4. Confirm the Output Level at **AUDIO OUT** is in the specification.

#### 4-12-10. Head Phone Level Confirmation

Board	AUDIO LCD
Spec	more than -20dBu
Test Point	PHONES(Head Phone Output )
Adjustment	-
Input Signal	NTSC: 1kHz, +4dBu P A L : 1kHz, 0dBu Sine Wave / REAR (CH1/CH2)
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer-

1. Set the Camera Recorder SW as shown below.

MONITOR SELECT :4-12,ST

2. Set the **MONITOR VR** to **MAX**.

3. Connect a 8 ohm resistor at **PHONES (Head Phone Output)** and measure the Output Level, then confirm the level is in the Specification.

#### 4-12-11. TEST SG Adjustment

Board	AUDIO LCD
Spec (NTSC)	A = 1%+/-0.1% (Distortion Ratio) B = +4.5dBu+/-0.2dB (Output Level )
Spec (PAL)	A = 1%+/-0.1% (Distortion Ratio) B = 0.5dBu+/-0.2dB (Output Level )
Test Point	AUDIO OUT
Adjustment	VR4001,VR4002
Input Signal	-
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer

##### Menu Setting

1. While pressing the **[SHIFT][+][-]** buttons on the operation panel, set **[Menu]** switch to SET.
2. Set the menu as shown below.

PAGE: MIC/AUDIO

TEST TONE : **ALWAYS**

3. Set the Camera Recorder SW as shown below.

OUTPUT (CAMERA) : **BARS**

AUDIO IN CH1 : **FRONT MIC**

4. Confirm the 1 kHz signal is supplied from **AUDIO OUT**.
5. Adjust **VR4001** so that the Distortion Ratio at **AUDIO OUT** is in the specification.
6. Adjust **VR4002** so that the **Output Level** at **AUDIO OUT** is in the specification.

#### 4-12-12. CUE Recording Level Adjustment

Board	AUDIO LCD
Spec	-10dBu+/-0.2dB
Test Point	TP4501
Adjustment	VR4501
Input Signal	NTSC: 1kHz, +4dBu P A L : 1kHz, 0dBu Sin wave/ REAR (CH1/CH2)
Mode	STOP
Tape	-
M. EQ.	Audio Analyzer

1. Turns 2pin of **SW4701** on the **AUDIO LCD** Board **OFF**.
2. Adjust **VR4501** so that the Output signal level at **TP4501** is in the specification. Turns 2 pin of **SW4701** on the **AUDIO LCD** Board **ON**.

#### 4-12-13. CUE Recording Current Adjustment

Board	AUDIO LCD
Spec	-4-12dBu+/-0.5dB
Test Point	TP4505
Adjustment	VR4503 (AUDIO_LCD Board) VR1002 (REAR JACK Board)
Input Signal	NTSC: 1kHz, +4dBu P A L : 1kHz, 0dBu Sin wave/ REAR (CH1)
Mode	PLAY
Tape	VFM3580KM (No.1:0-14min) VFM3680KM (No.1:0-10min) BKANK TAPE
M. EQ.	Audio Analyzer

Measure with **1kHz Band Path Filter**.

1. Turns 2pin of **SW4701** on the **AUDIO LCD** Board **OFF**.
2. Playback the alignment tape, Adjust **VR405** so that the level at **TP4505** is in specification.
3. Supply a color bar signal and record it. And playback the just recorded portions, then adjust **VR1002** so that the playback level is in the specification.
4. Turns 2 pin of **SW4701** on the **AUDIO LCD** Board **ON**.

## 4-13. White Blemish Compensation

AJ-D610WA, this model has **self white spot (blemish) compensation function** which is enable to compensate spots up to 16 spots. Here is explanation of method to fix /compensate spots.

### A. Preparation

1. Connect Viewfinder, Video monitor & DC power to AJ-D610WA which has white spot(s) (blemishes) unfortunately.
2. Turn POWER of AJ-D610WA on.
3. Set "WHITE BAL" to "PRST (Preset) position on Right Side Panel.
4. Set "GAIN" to "M"(Middle) on Right Side Panel.

### B. Service Menus

1. Open down a window panel of "AUDIO IN" on Right Side Panel.
2. Find out buttons of "**SHIFT/ITEM, UP(+), DOWN(-), PAGE**" and Slide Switch of **MENU** in this area. By the way, SYNCHRO SCAN (+) & (-) connects UP(+) & DOWN(-) by wires internally. Sometimes it is more convenient to use SYNCHRO SCAN(+,-) rather than using UP(+) & DOWN(-).
3. While pressing buttons of **SHIFT/ITEMS, UP(+) & DOWN(-)** (or **SHIFT/ITEM, SYNCHRO SCAN(+) & (-)**) **together**, then slide **MENU** switch from "OFF" to "ON".

### C. ABB (Automatic Black Balance)

1. Press "PAGE" button until reaching " MID SETTING" menu on the video monitor or the viewfinder.
2. Change an amount of the first item" MASTER GAIN" from "9 dB" to "24 dB" by pressing UP (+) button (or SYNCHRO SCAN (+) button). (Amount of "9 dB" is default by the factory)
3. Set "MENU" from "ON" to "OFF".
4. Press down "AUTO W/B BAL " switch to set up Auto Black Balance.  
(On Viewfinder, following messages show – "ACTIVE" and later "OK" – "OK" means that it has been finished of ABB) --- This method is to confirm/show up Spots easily.

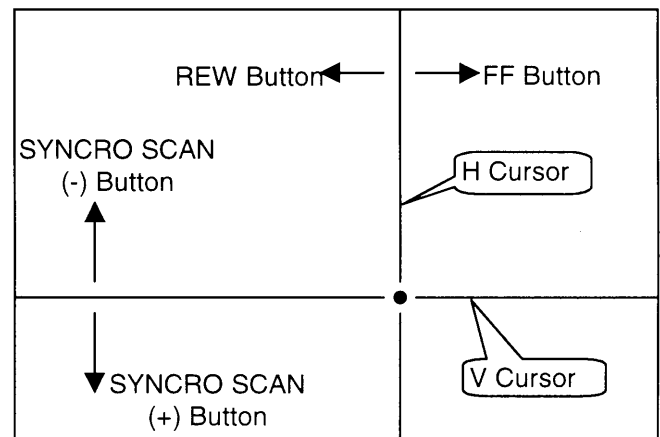
### D. DEFECT COMPENSATION

1. Again, open Service Menus.
2. Press "PAGE" button until reaching "**DEFECT COMPENSATION**" menu.
3. Change mode of the first item in this menu, "**DEFECT ADJ. MODE**" from "OFF" to "ON". Immediately, superimposed items disappear in the video monitor, however, in the viewfinder, these items still remain. So from now, must use the viewfinder to follow next. Depending on previous compensation, Cross lines might be shown on the video monitor and the view finder.(lines should not be appeared, however, they might be appeared)

#### - DEFECT COMPENSATION -

→ DEFECT ADJ MODE	:	OFF
DEFECT NO.	:	00
CURSORS ADJ		
V (+/- SW)		0000
H (FF/REW SW)		0000
FIELD CONT	:	A
DUAL PIXEL	:	OFF
COMPENSATION	:	ON
DATA CLR		

4. Move Arrow (→) to "**CURSORS ADJ.**" by pressing "SHIFT/ITEM" button repeatedly.
5. Repeatedly press UP (+) or DOWN(-) ( or SYNCHRO SCAN(+) or (-) ) to show up a horizontal line.
6. After opening Operation panel on the top panel, you may find "REW & FF" buttons. Repeatedly press REW or FF button to show up a vertical line.



VIDEO Monitor (Video Out)

**Note:** If there was no compensation in past, the center position of cross lines has been hidden at the right bottom corner. In order to show lines up, first of all, press DOWN (-) button (or SYNCHRO SCAN(-) button) and then REW button(vice versus).

You may find how many times have been compensated at "**DEFECT NO.** & data of V (+/- SW), H (FF/REW SW) at **CURSORS ADJ.** in SERVICE MENUS". If DEFECT NO. shows "00" & Data shows "V:0180,H:0380", there has been no compensation. These addresses show where the center point is located. The data (V:0180, H:0380) is located at the right bottom side. If there are some No. & data, unit(s) has been compensated. Also, you can find other compensation by changing DEFECT NO. --- Method : Move arrow to the item of DEFECT NO. by pressing SHIFT/ITEMS and then pressing UP(+) button.

7. Move the center point of the cross lines to a white spot by pressing these buttons. **Put the center point upon the white spot exactly.**
8. When it is compensated, the white spot will be disappeared.
9. If **there is still white spot showing**, you have to move lines to complete. Probably remaining white spot is a part of large spot (occupying 2 dots or more in line), in this case, proceed the following method:
10. Move the center point of cross lines to the left of white spot. After doing this method, confirm compensation on the spot by pressing UP & DOWN buttons (repeatedly) at the item of “**DUALPIXEL**” in DEFECT COMPENSATION MENU. White spot should be disappeared. If not, repeat procedure.
11. If there are spots more than one piece on the view, put forward to next **DEFECTNO.** by pressing UP(+).  
01→ 02→ -----
12. Before saving data of compensation, just make sure whether it has been done or not by pressing UP & DOWN buttons (ON & OFF) at the **COMPENSATION** in DEFECT COMPENSATION menu. In the view on the video & viewfinder, there should not have any white spots.
13. After compensated completely, **DEFECT ADJ. MODE** set to “**OFF**”, **COMPENSATION** set to “**ON**” MENU set to “**OFF**” and then turn **POWER “OFF**”.
14. Turn **POWER on** and revert the amount in “**MID SETTING**” from 24 dB to “**9**” dB after opening **SERVICE MENU**.

#### <Note>

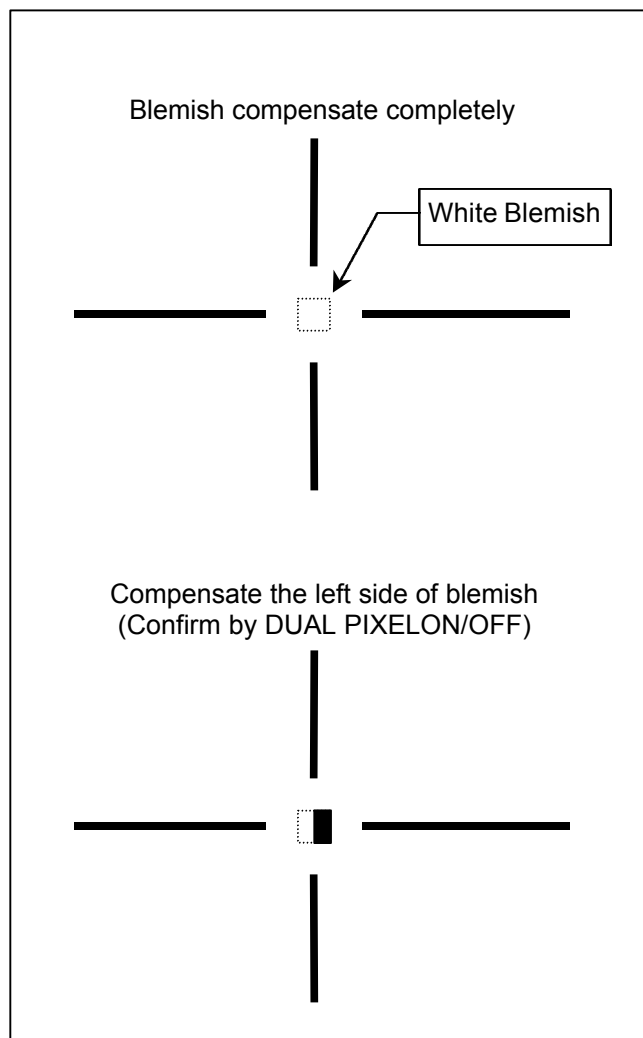
When the gain set -3dB/0dB mode, the blemish compensation is not working. If appear the blemish at -3/0dB, set the EVR as shown below.

-3dB/0dB ON = **COM : [42], DATA : [FF], ADR : [44]**

-3dB/0dB OFF = **COM : [42], DATA : [0F], ADR : [44]**

After setting the above command, please do the following operations for memorize the setting in the FLASH ROM.

1. Open the Service menu, and select the Defect compensation page.
2. Select the DEFECT ADJ MODE, and set to ON.
3. Close the MENU.



# SECTION 5

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## BLOCK DIAGRAMS

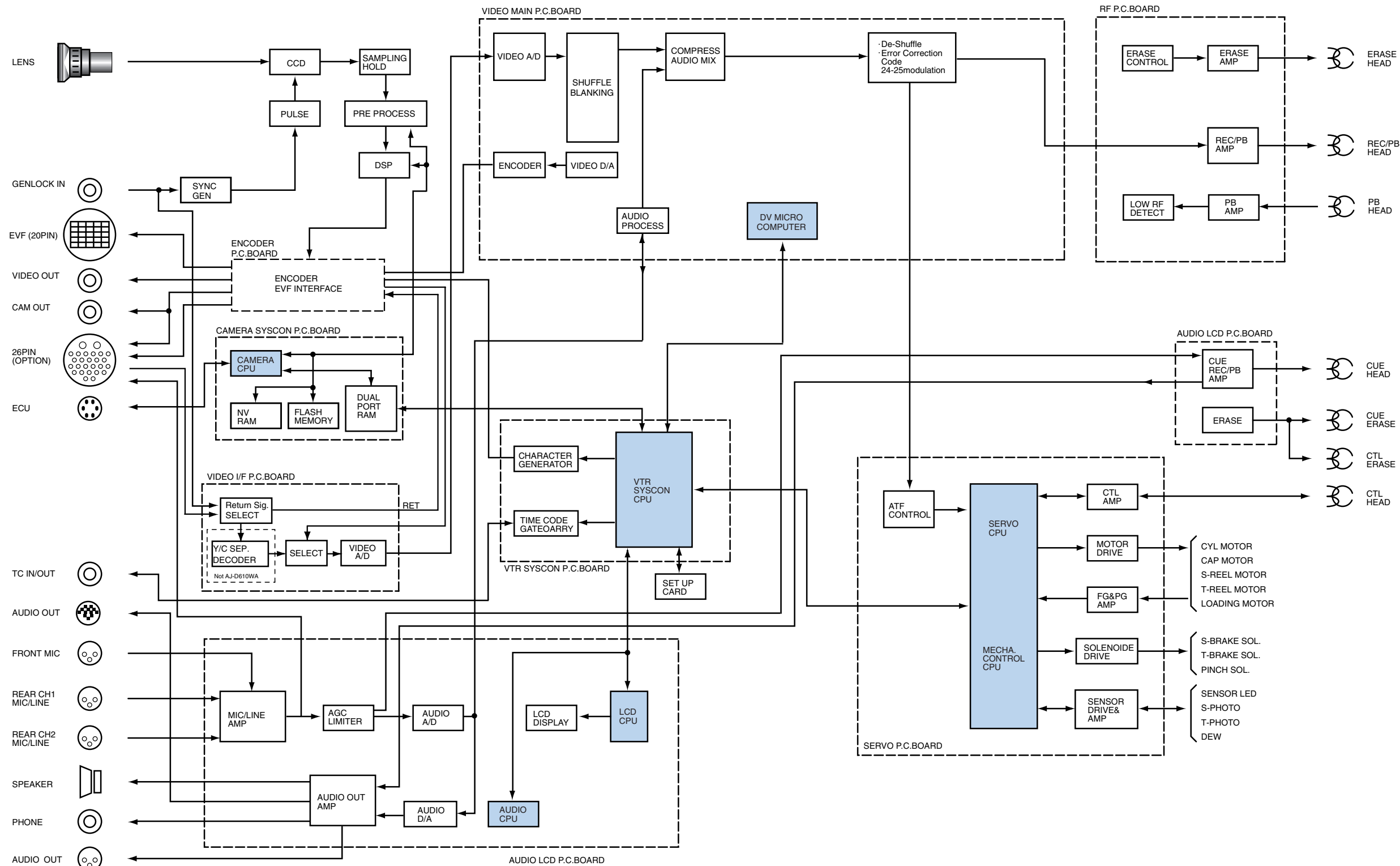
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# CONTENTS

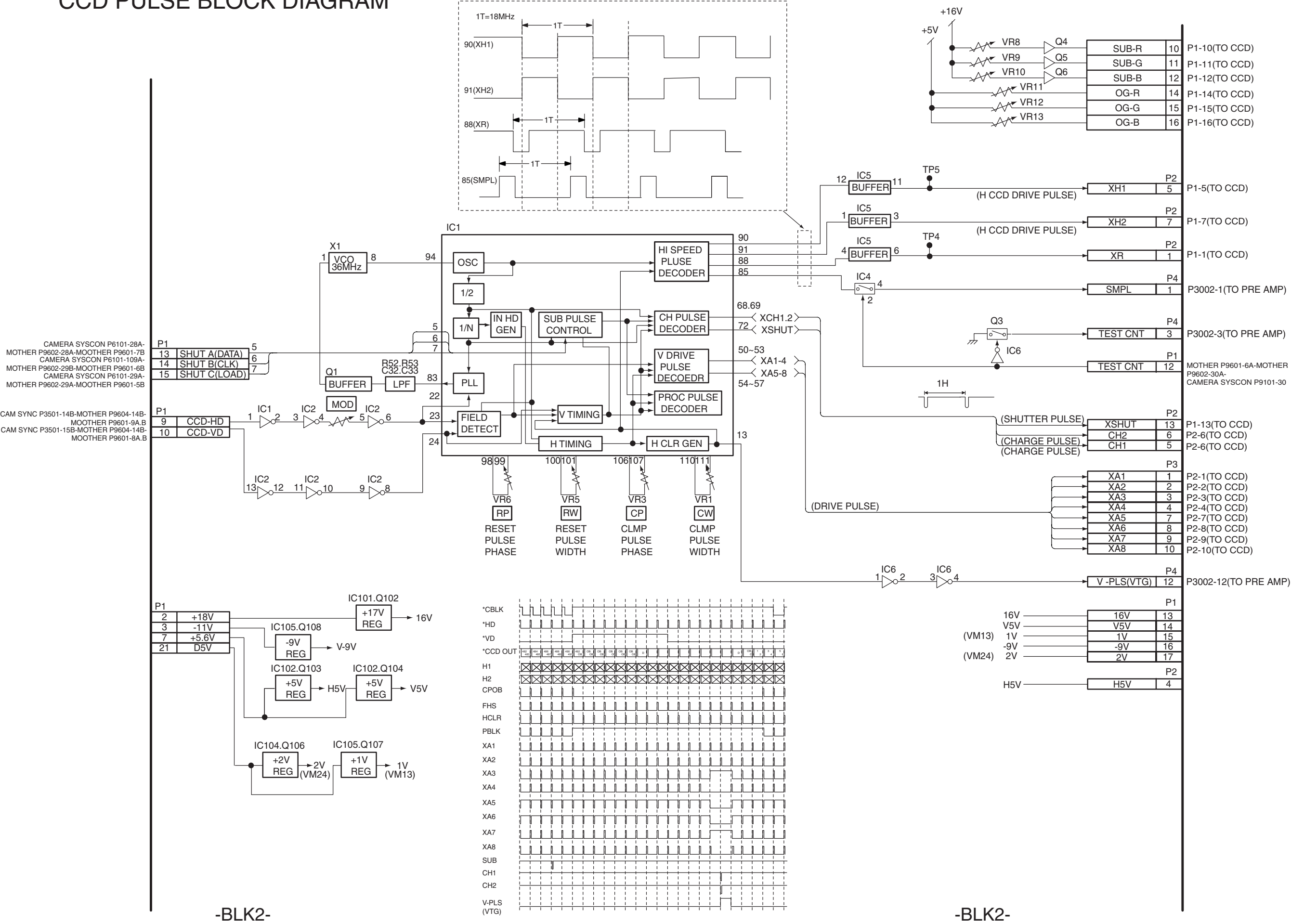
OVERALL BLOCK DIAGRAM .....	BLK1
CCD PULSE BLOCK DIAGRAM .....	BLK2
CCD-SENSOR BLOCK DIAGRAM.....	BLK3
PREAMP(CDS) BLOCK DIAGRAM.....	BLK4
PRE PROCESS BLOCK DIAGRAM.....	BLK5
Digital Signal Process BLOCK DIAGRAM 1/2 .....	BLK6
Digital Signal Process BLOCK DIAGRAM 2/2 .....	BLK7
CAMERA ENCODER BLOCK DIAGRAM.....	BLK8
CAMERA SYSCON BLOCK DIAGRAM.....	BLK9
CAMERA SYNC BLOCK DIAGRAM.....	BLK10
VIDEO MAIN / VIDEO SUB BLOCK DIAGRAM.....	BLK11
RF BLOCK DIAGRAM.....	BLK12
VIDEO I/F_ VIDEO I/F SUB BLOCK DIAGRAM .....	BLK13
VTR SYSCON BLOCK DIAGRAM.....	BLK14
SERVO BLOCK DIAGRAM .....	BLK15
AUDIO LCD BLOCK DIAGRAM .....	BLK16
POWER BLOCK DIAGRAM.....	BLK17



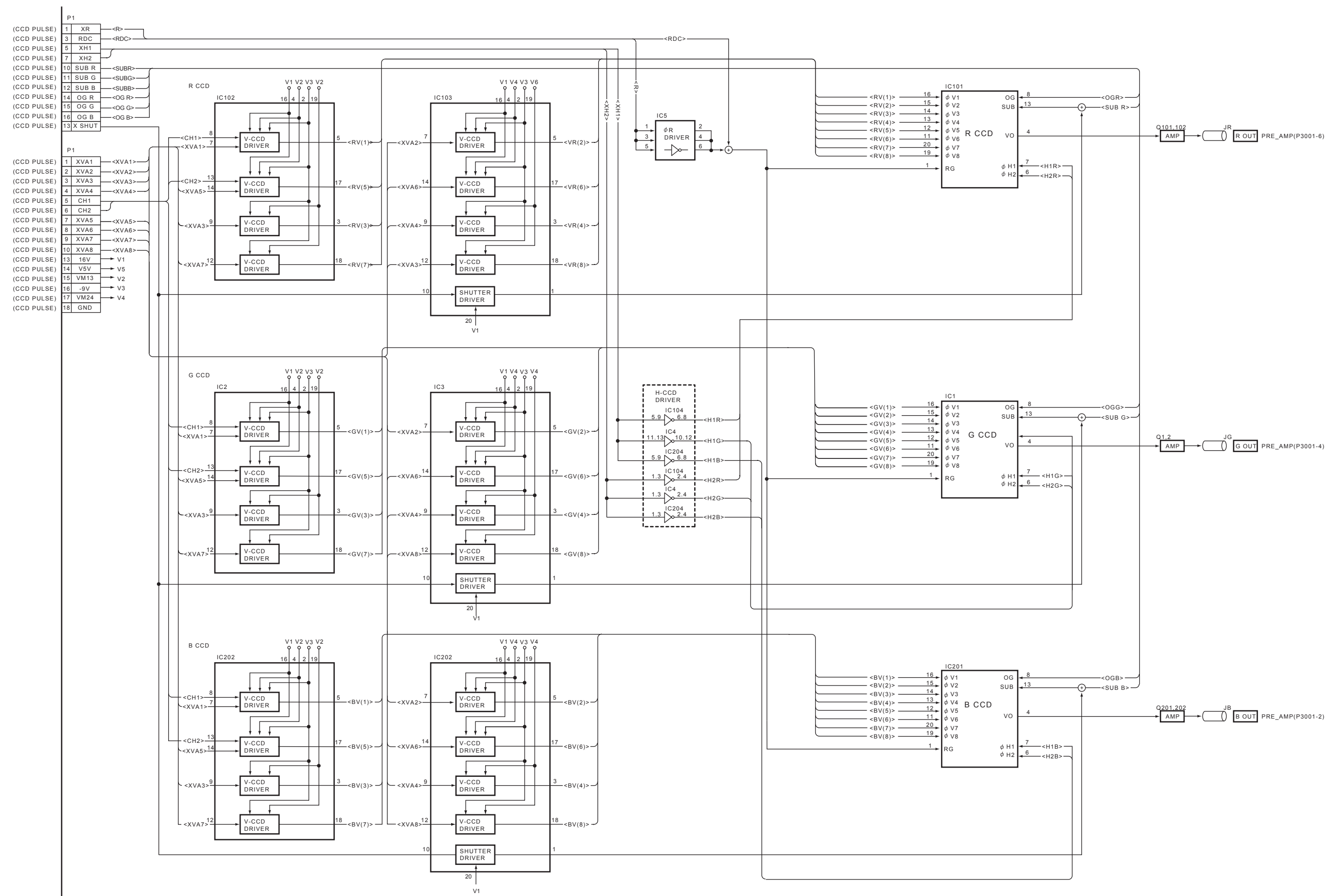
OVERALL BLOCK DIAGRAM



CCD PULSE BLOCK DIAGRAM



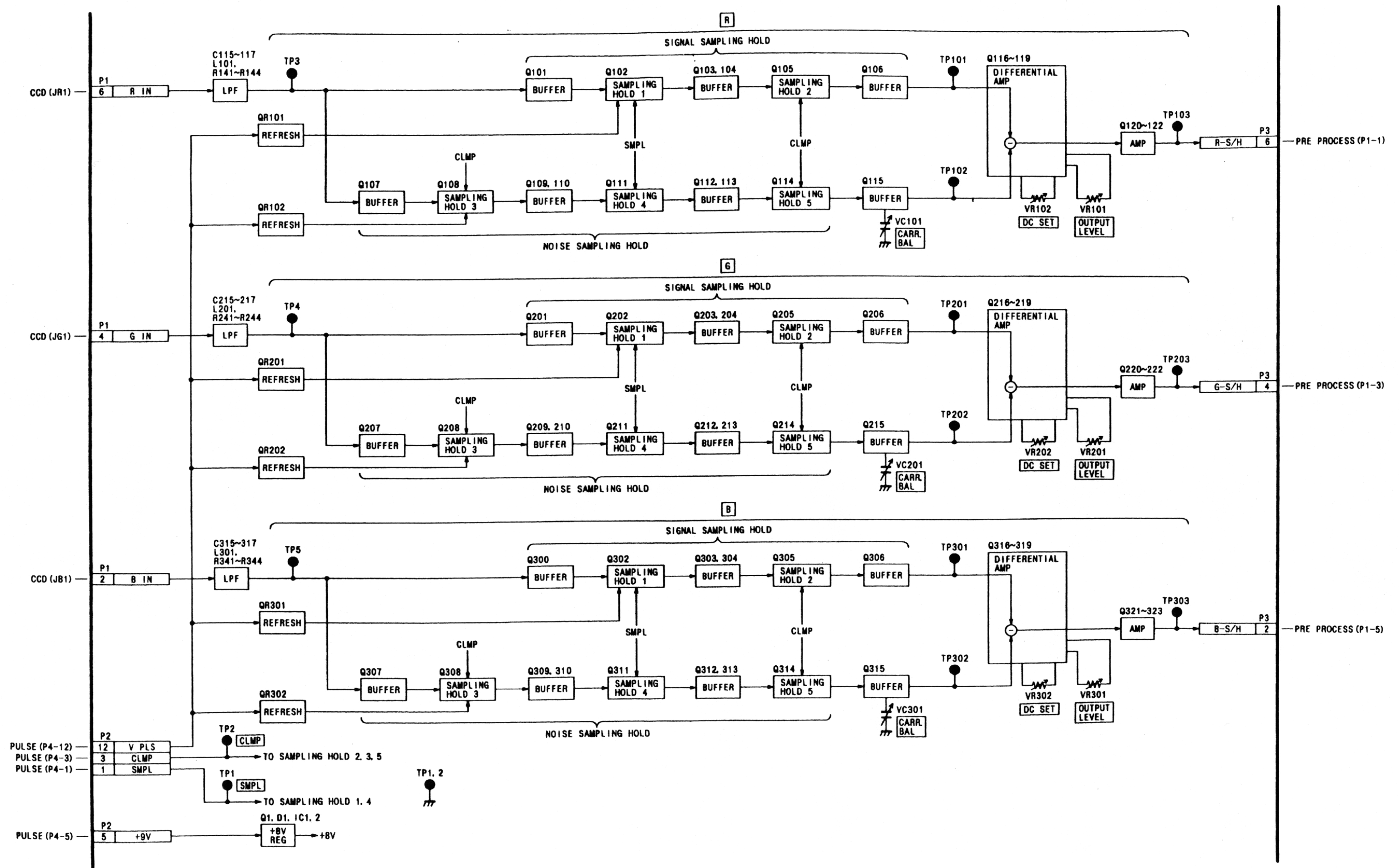
# CCD-SENSOR BLOCK DIAGRAM



-BLK3-

-BLK3-

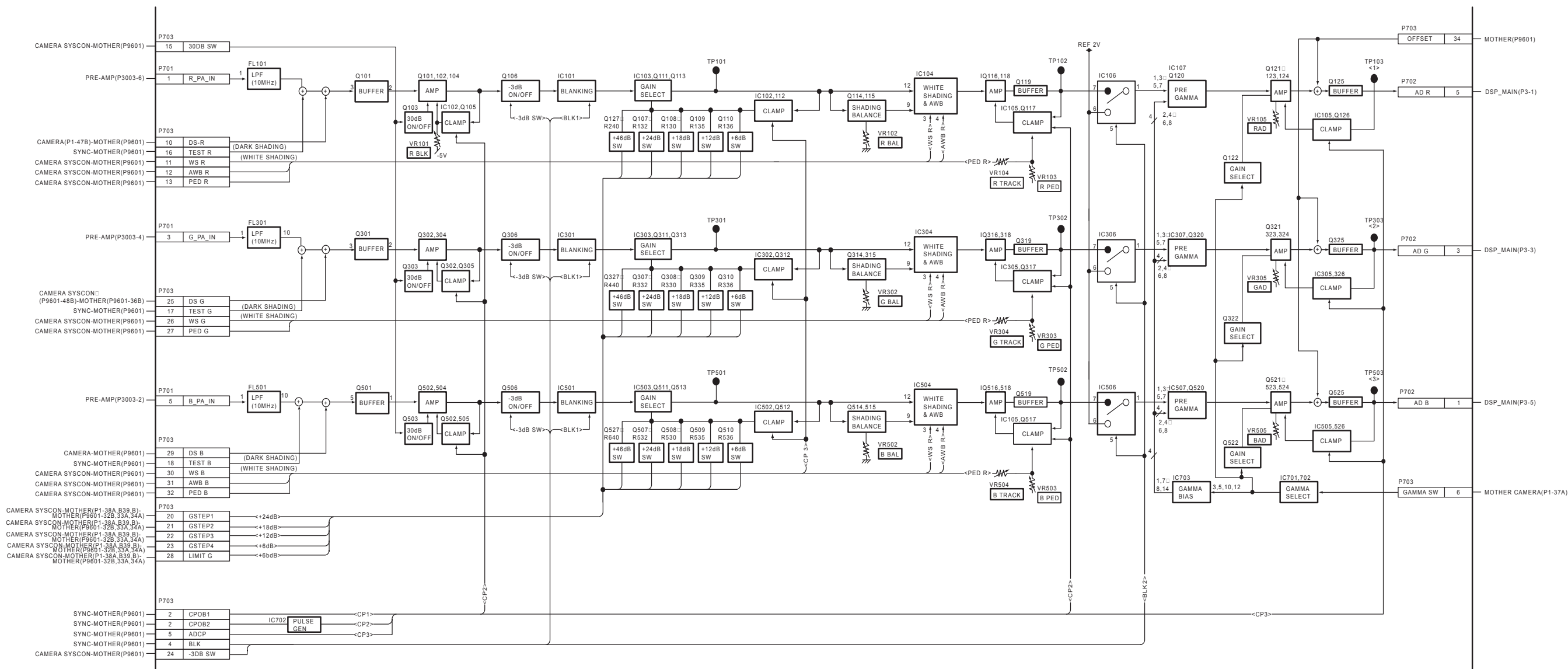
# PRE AMP(CDS) BLOCK DIAGRAM



-BLK4-

-BLK4-

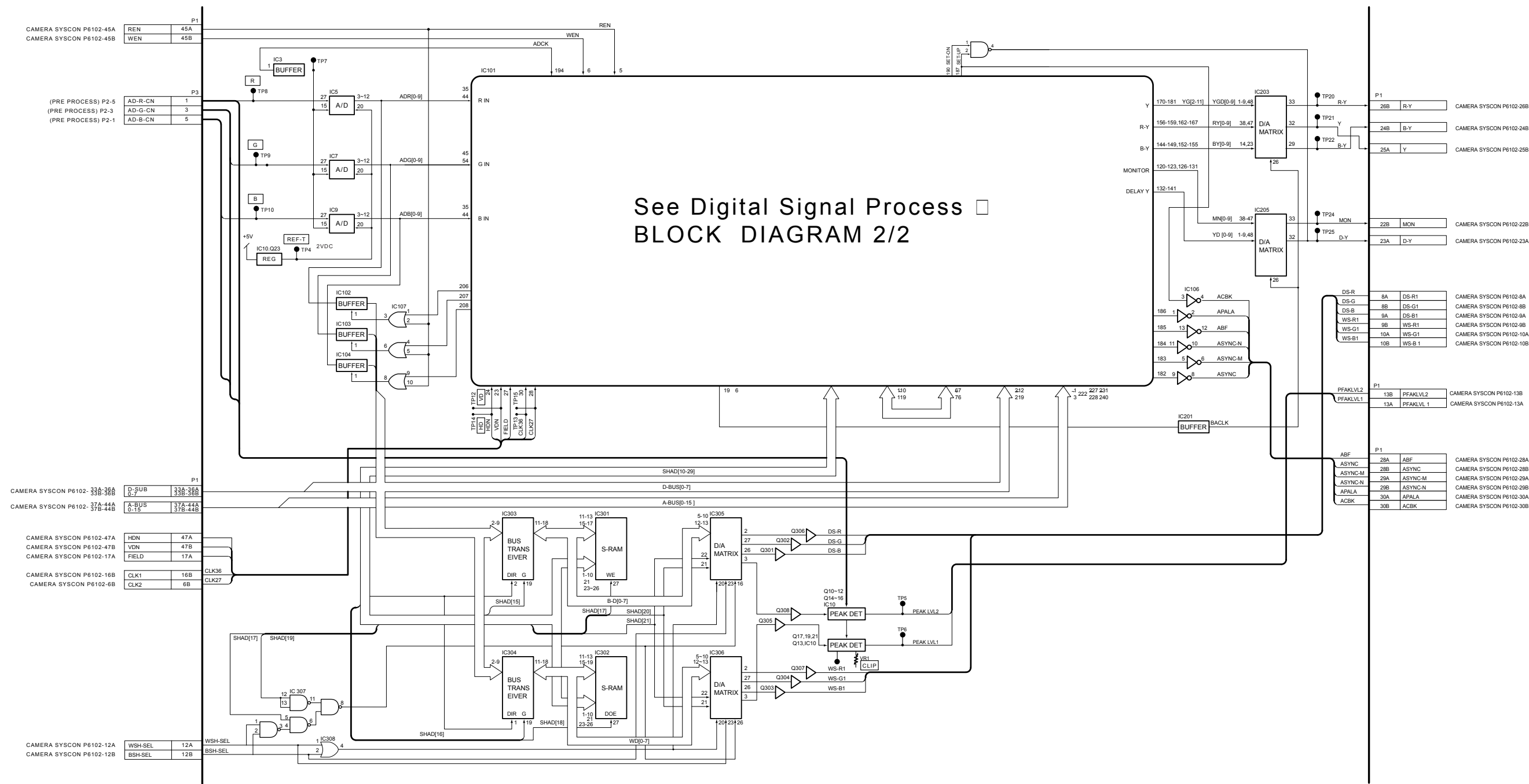
# PRE PROCESS BLOCK DIAGRAM



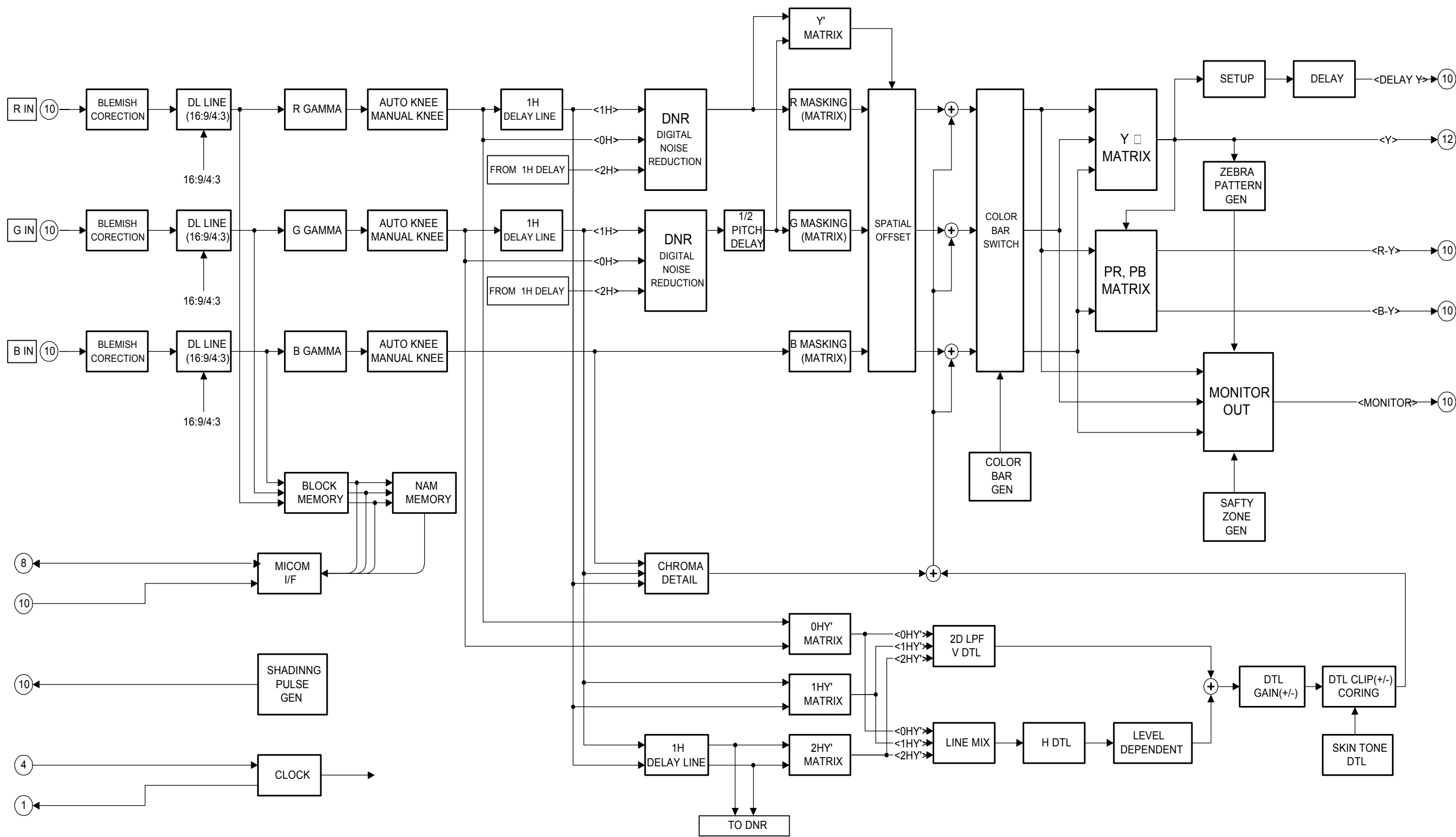
-BLK5-

-BLK5-

# Digital Signal Process BLOCK DIAGRAM 1/2

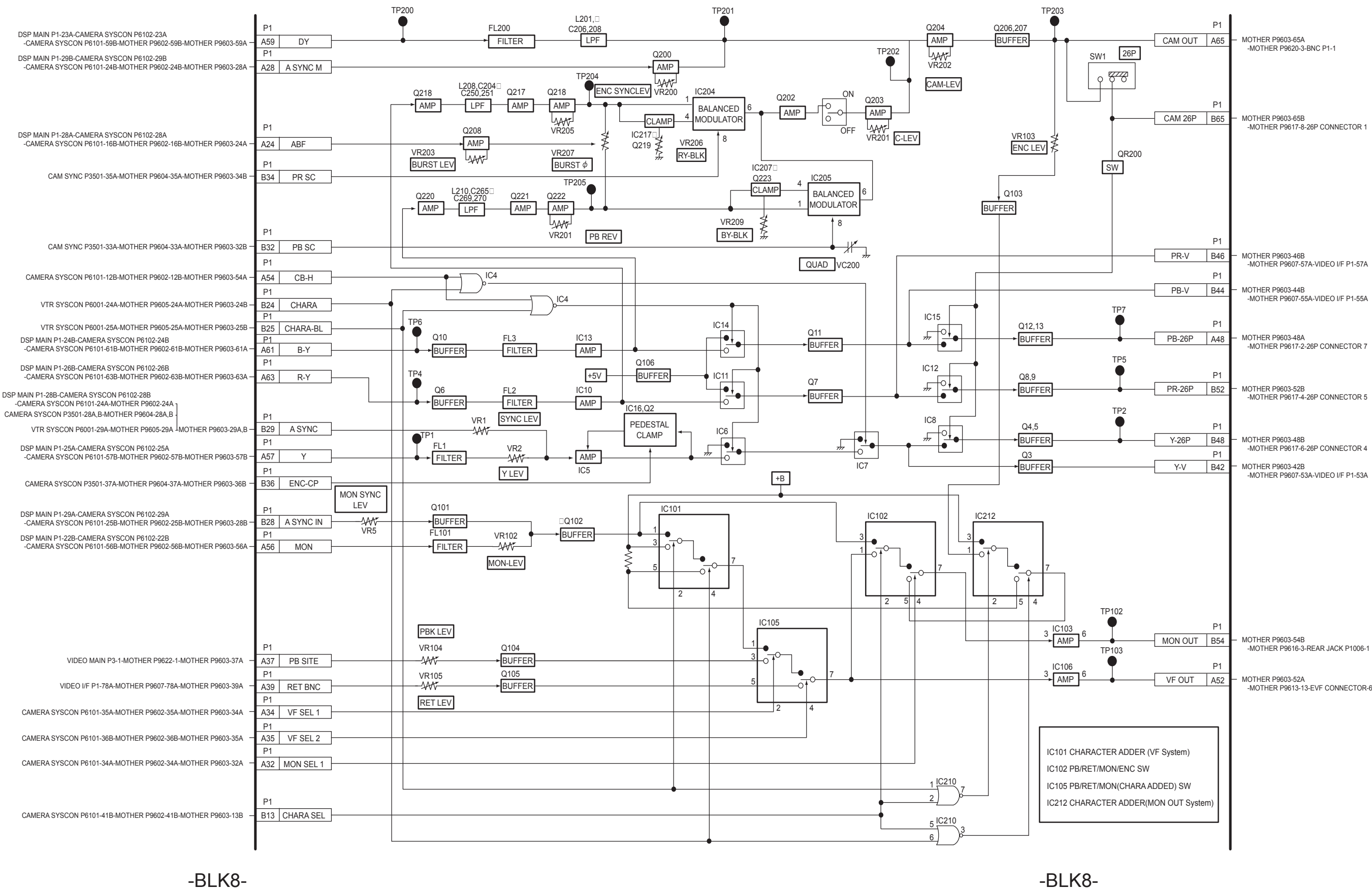


Digital Signal Process BLOCK DIAGRAM 2/2



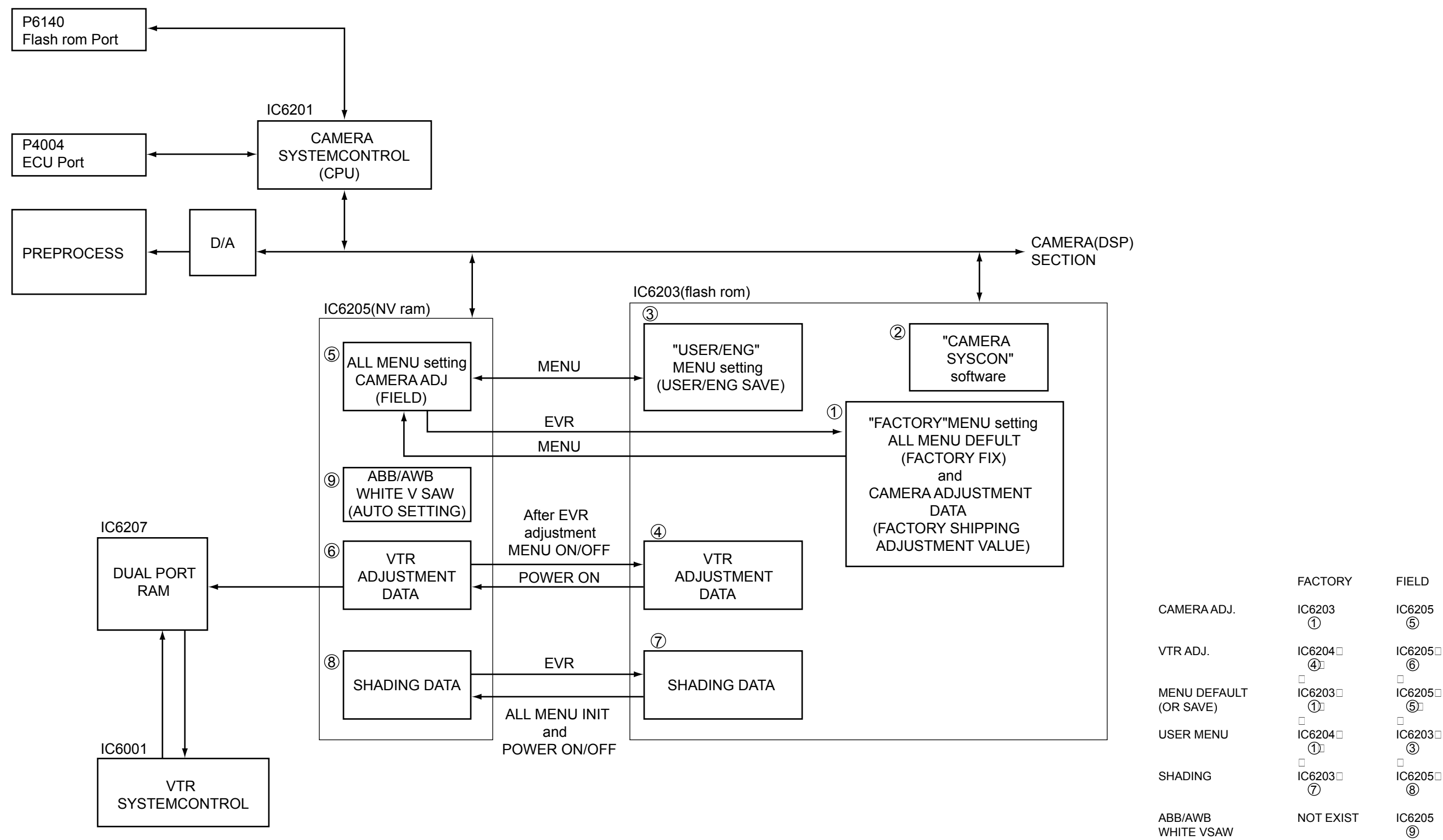


# CAMERA ENCODER BLOCK DIAGRAM



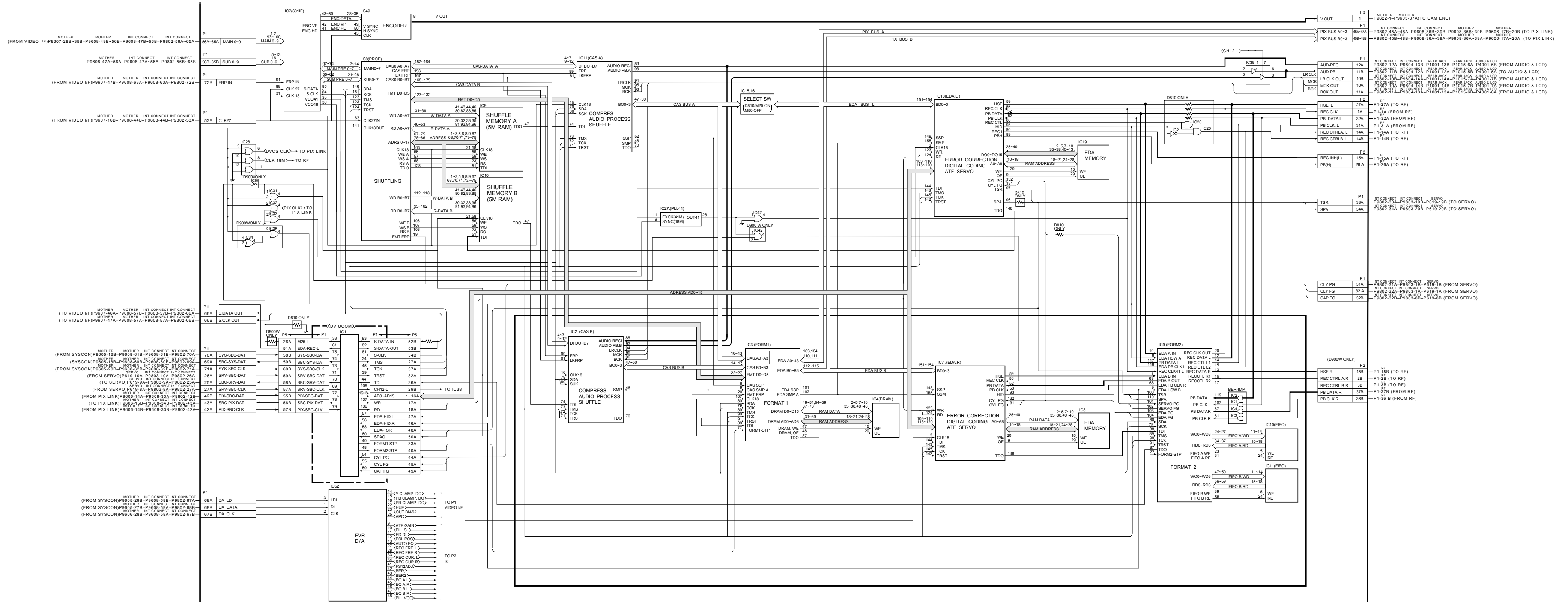


CAMERA SYSCON BLOCK DIAGRAM





# VIDEO MAIN / VIDEO SUB BLOCK DIAGRAM

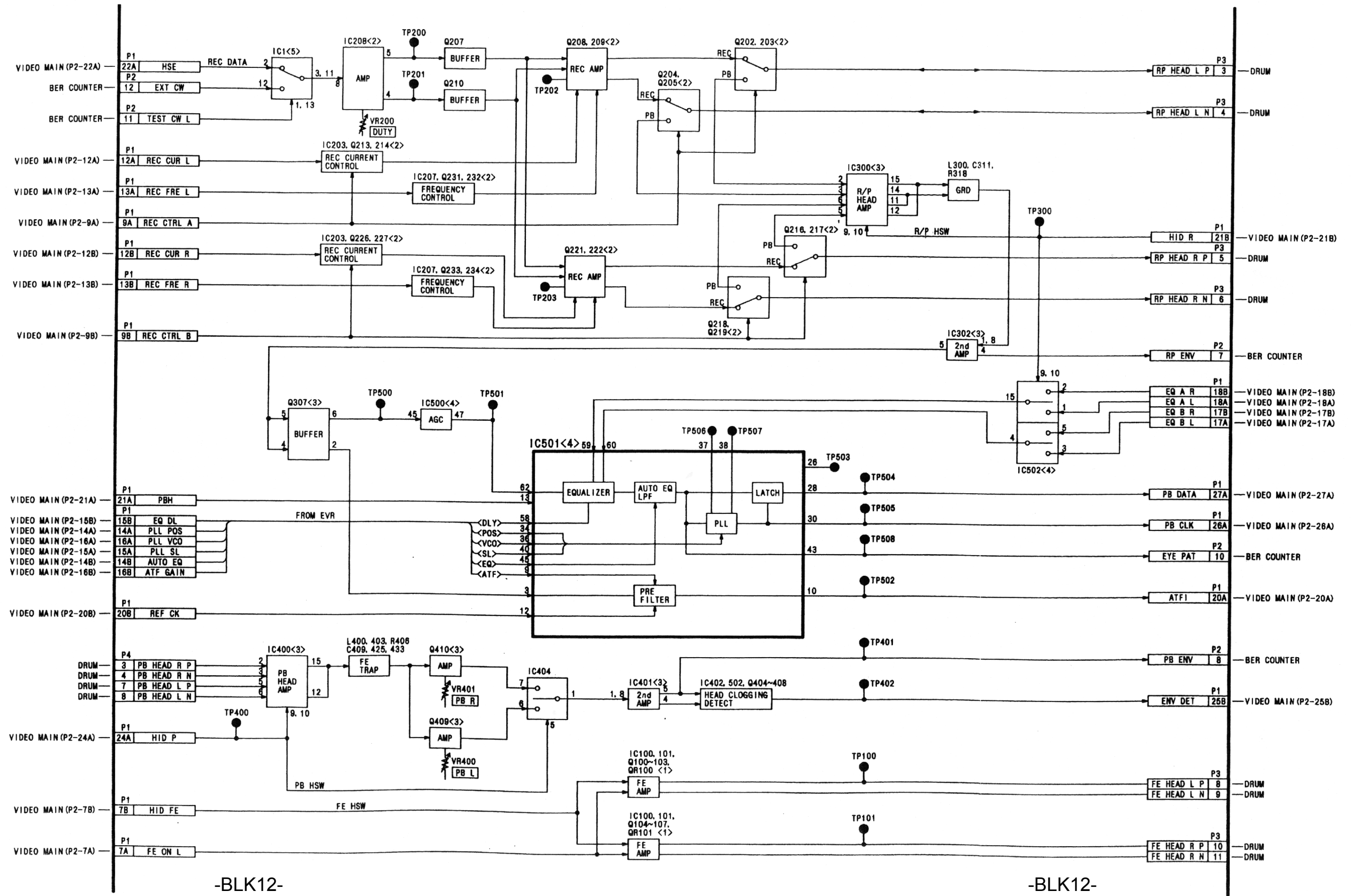


-BLK11-

-BLK11-

-BLK11-

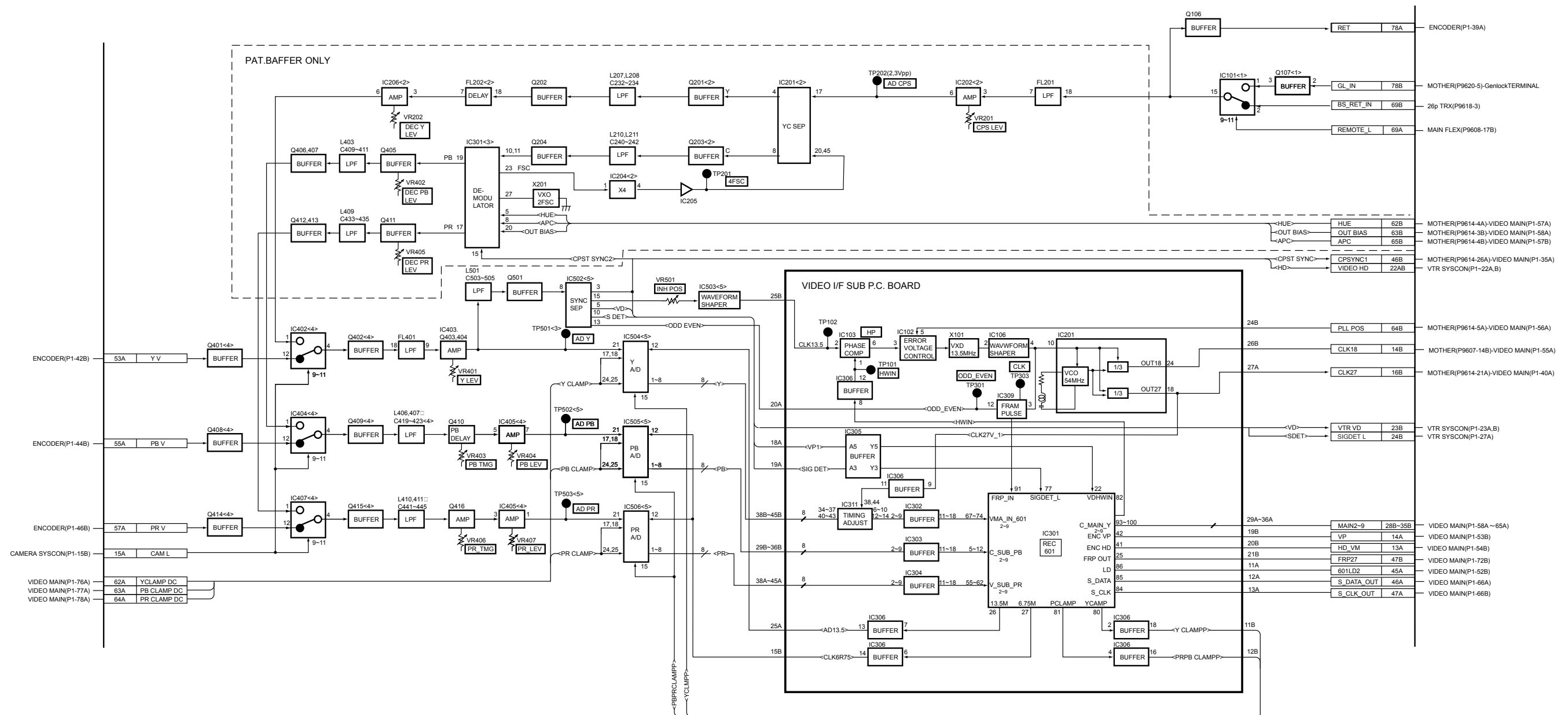
# RF BLOCK DIAGRAM



-BLK12-

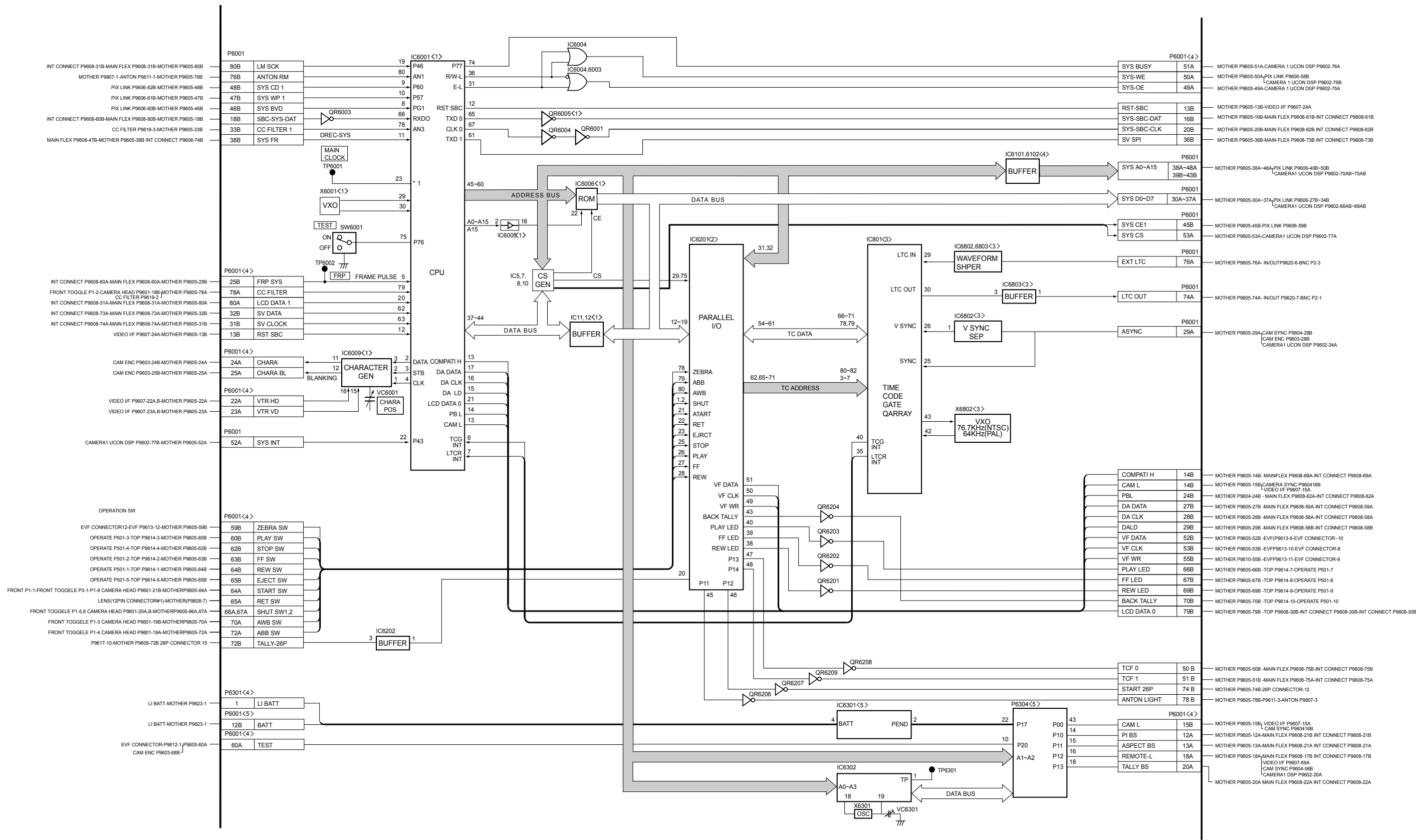
-BLK12-

# VIDEO I/F\_VIDEO I/F SUB BLOCK DIAGRAM



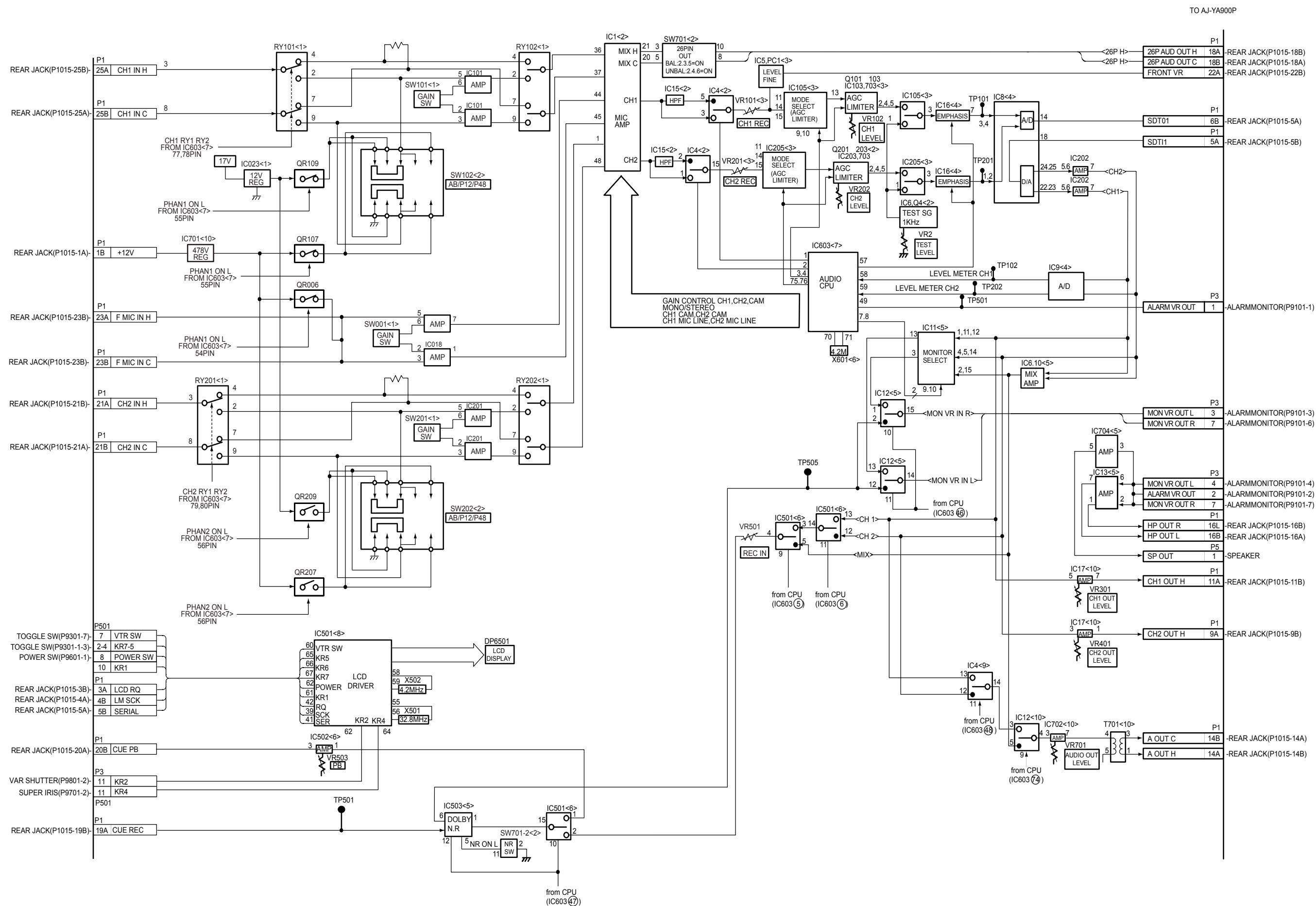


VTR SYSCON BLOCK DIAGRAM



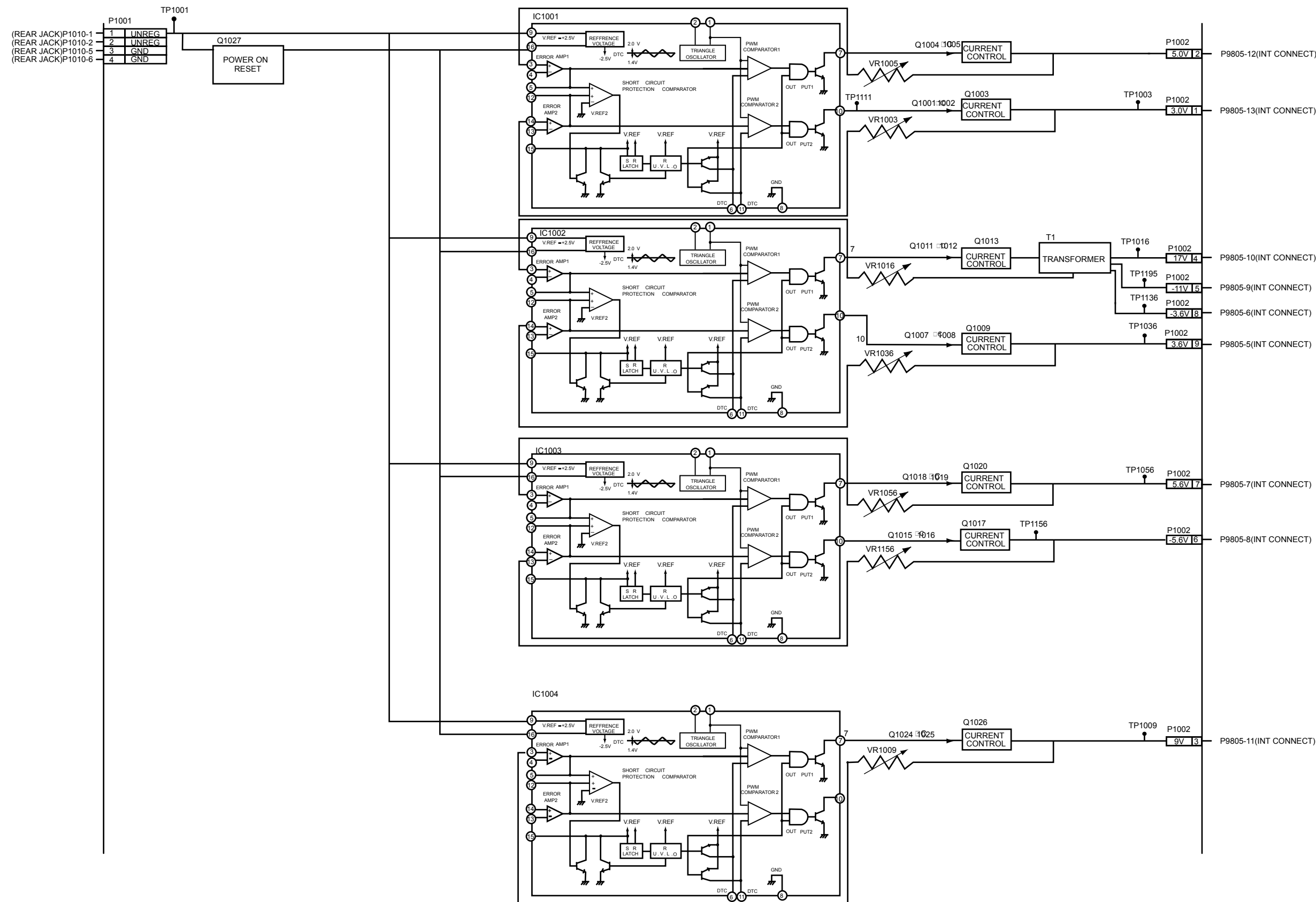


# AUDIO LCD BLOCK DIAGRAM





POWER BLOCK DIAGRAM



# SECTION 6

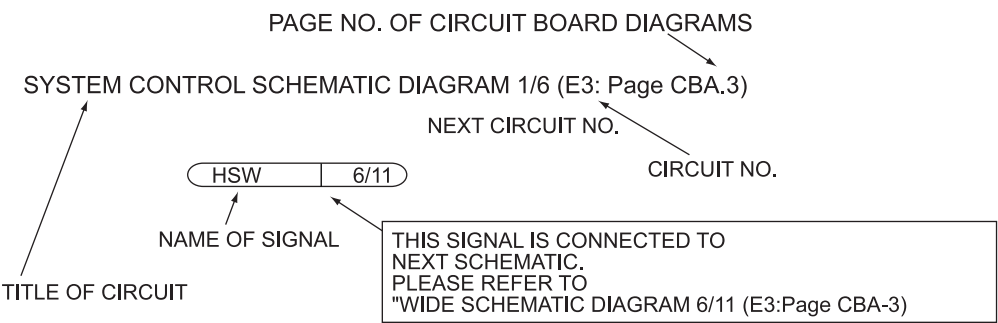
## SCHEMATIC DIAGRAMS

**Note:**

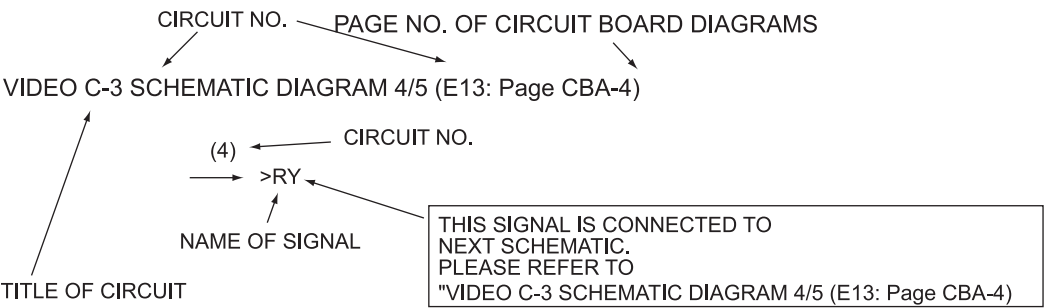
- 1. Do not use the part number shown on the schematic diagram or P.C.Board layout for ordering.  
The correct part number for ordering is shown in the Exploded Views / Parts List section.
- 2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS ( $\mu$  F), P=pF

### NOTE

(EX 1)



(EX 2)



\* Mark → Parts value, see table in the schematic diagram.

(EX:)

	AJ-D700	AJ-D800	
R2018	10K	10K	10K $\Omega$
R2019	20K	*PAT	No part

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## SCHEMATIC DIAGRAMS


OVERALL SCHEMATIC DIAGRAM .....	SCM1
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MOTHER SCHEMATIC DIAGRAM2/2 .....	SCM3
INT CONNECT SCHEMATIC DIAGRAM1/4 .....	SCM4
INT CONNECT SCHEMATIC DIAGRAM2/4 .....	SCM5
INT CONNECT SCHEMATIC DIAGRAM3/4 .....	SCM6
INT CONNECT SCHEMATIC DIAGRAM4/4 .....	SCM7
SYNC SCHEMATIC DIAGRAM1/6 .....	SCM8
SYNC SCHEMATIC DIAGRAM2/6 .....	SCM9
SYNC SCHEMATIC DIAGRAM3/6 .....	SCM10
SYNC SCHEMATIC DIAGRAM4/6 .....	SCM11
SYNC SCHEMATIC DIAGRAM5/6 .....	SCM12
SYNC SCHEMATIC DIAGRAM6/6 .....	SCM13
CCD PULSE SCHEMATIC DIAGRAM1/2 .....	SCM14
CCD PULSE SCHEMATIC DIAGRAM2/2 .....	SCM15
CCD-SENSOR SCHEMATIC DIAGRAM .....	SCM16
PRE AMP(CDS) SCHEMATIC DIAGRAM1/4 .....	SCM17
PRE AMP(CDS) SCHEMATIC DIAGRAM2/4 .....	SCM18
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JAPAN ONLY

 警 告	
 感電注意	AC100Vの加わっている活電部（充電部、活電部）に直接触れないでください。  感電ややけどの可能性があります。

①  警 告    △印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。


②  内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

③ 部品交換時には、電源プラグをぬいてから行なってください。


④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

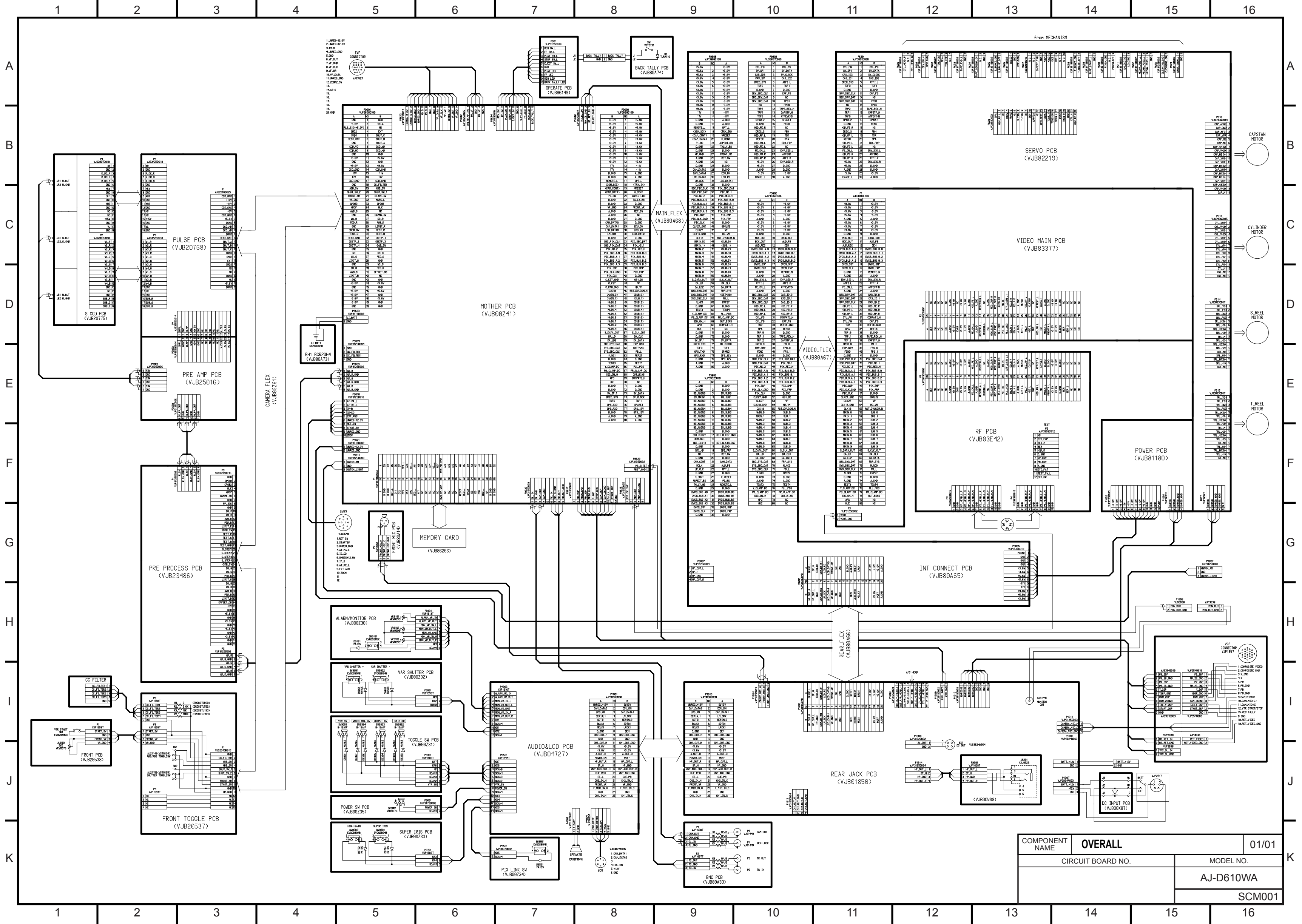
⑤ 部品品番は、部品価格表で確認の上交換ください。

**CAUTION**

THE  MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

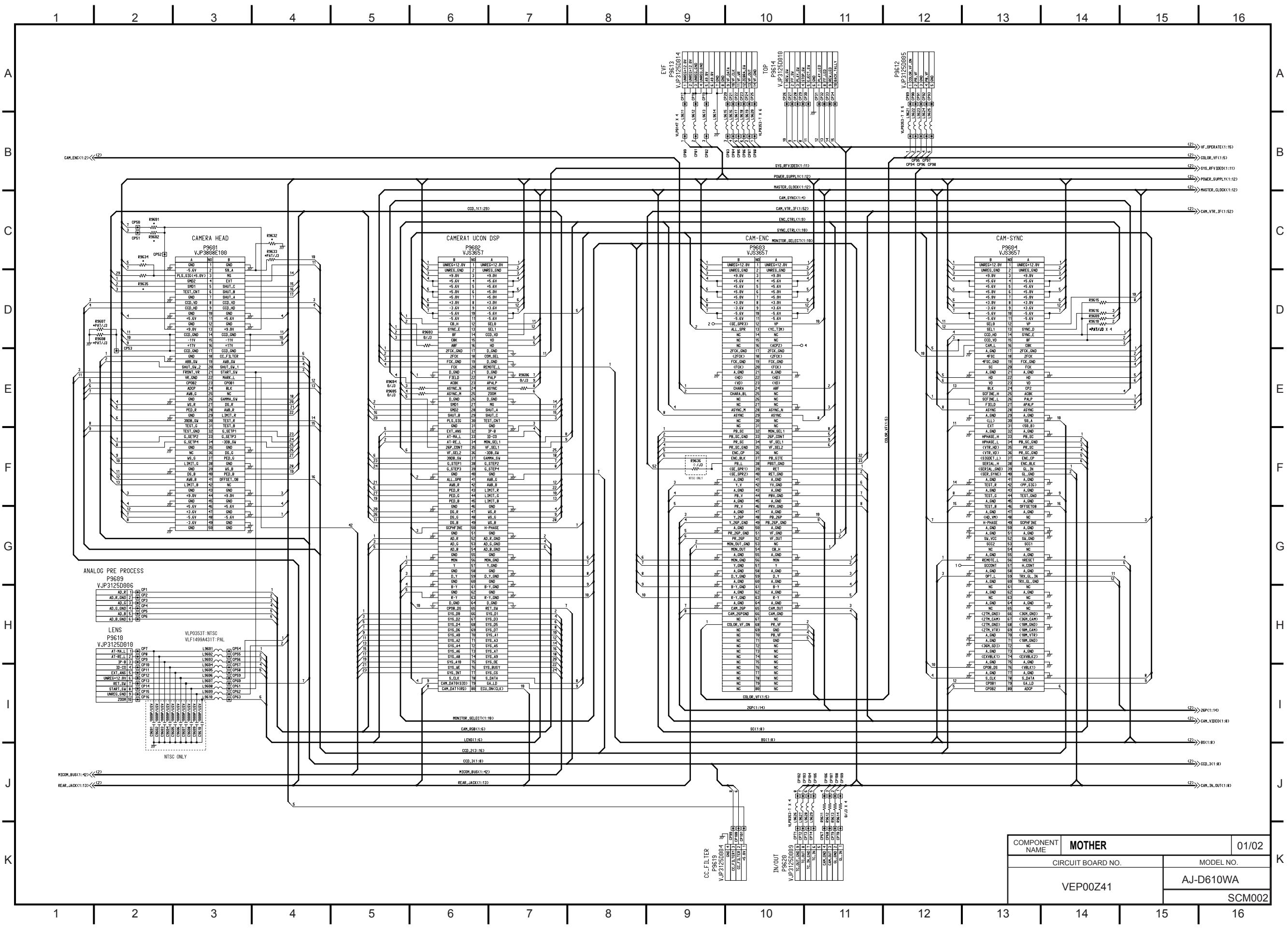
**IMPORTANT SAFETY NOTICE:**

Components identified with the mark  have the special characteristics for safety.  
When replacing any of these components, use only the same type.



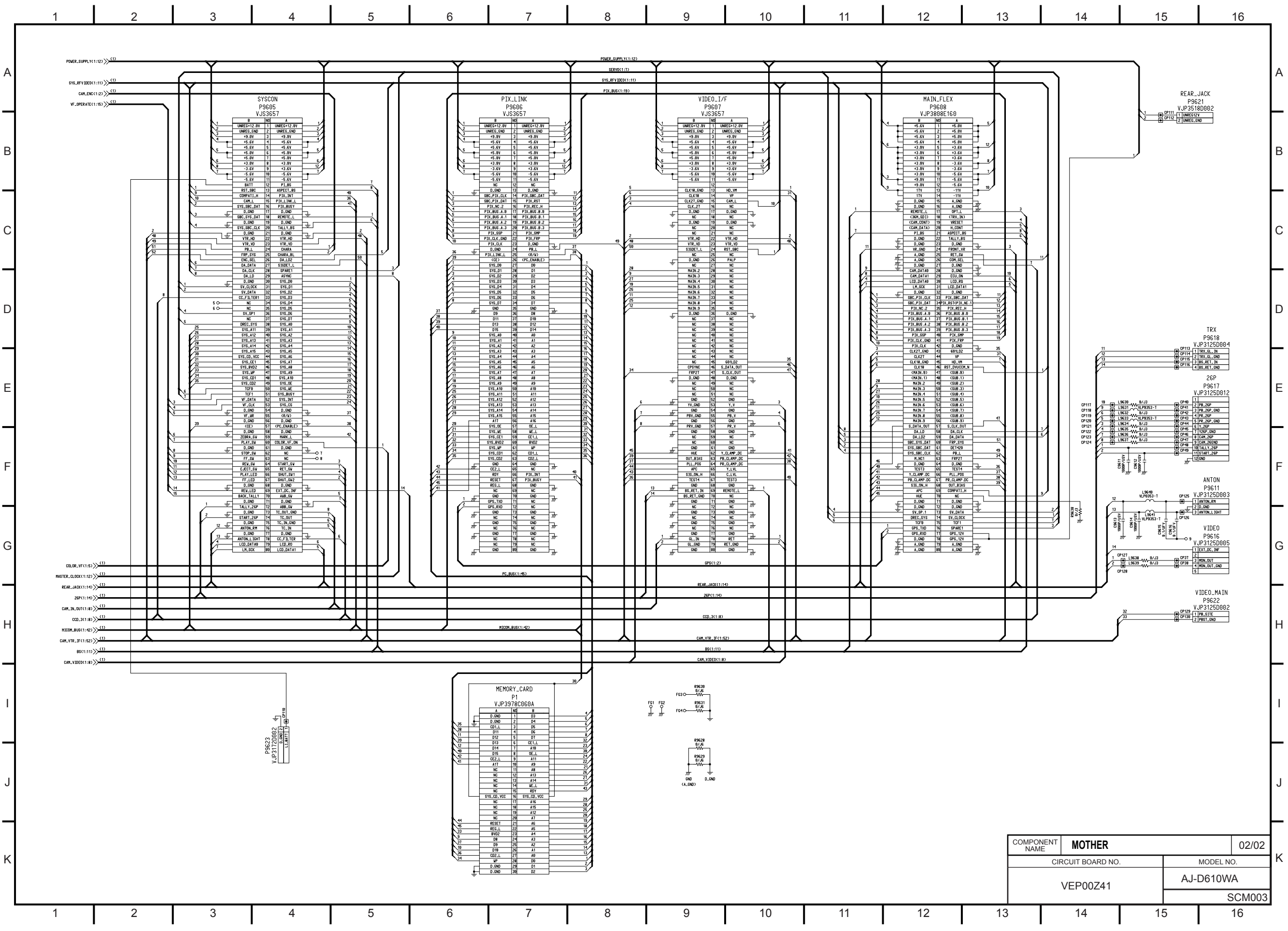
COMPONENT NAME	OVERALL	01/01
CIRCUIT BOARD NO.		MODEL NO.
		AJ-D610WA
		SCM001



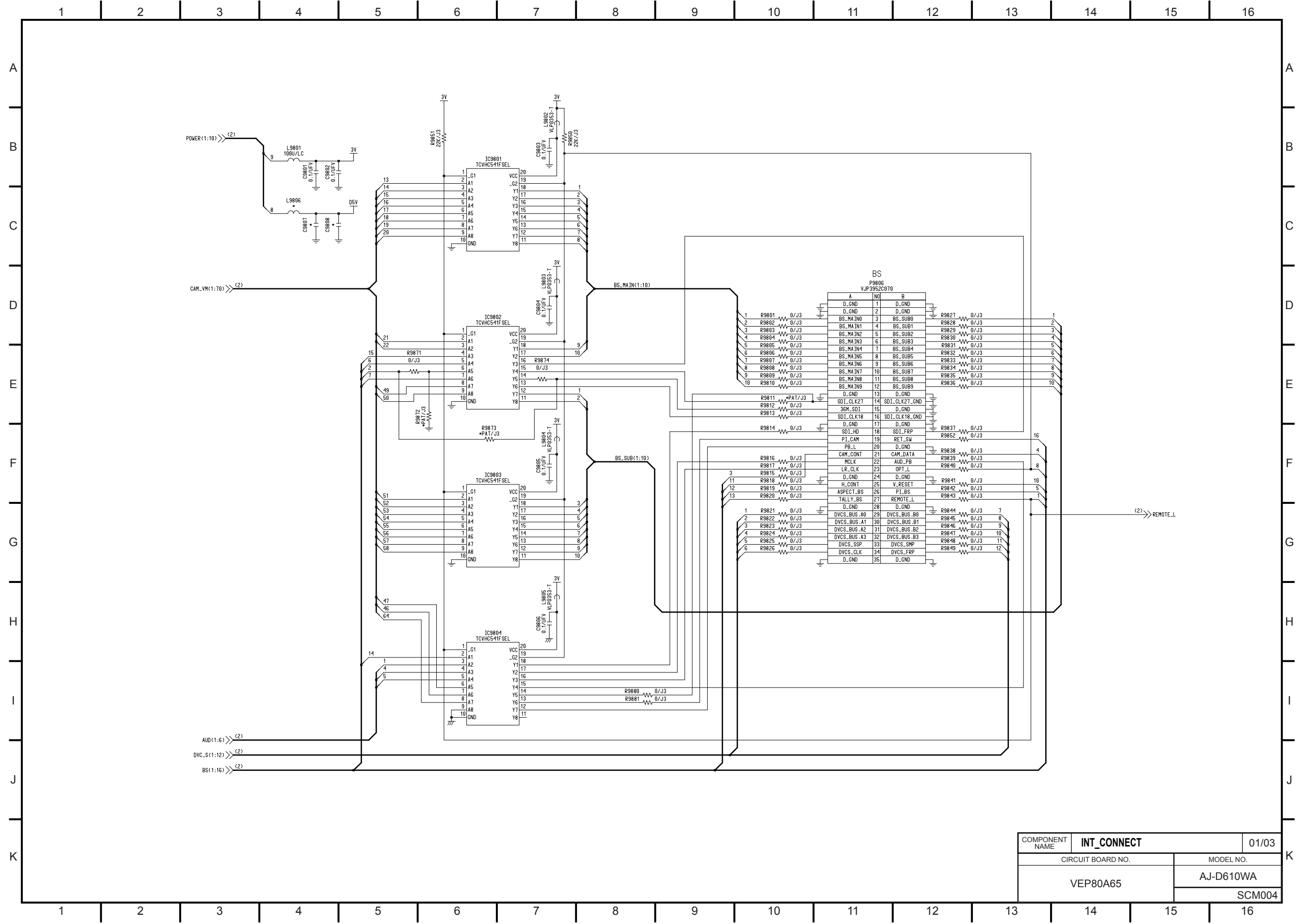


COMPONENT NAME	MOTHER	01/02
CIRCUIT BOARD NO.		MODEL NO.
VEP00Z41		AJ-D610WA
		SCM002

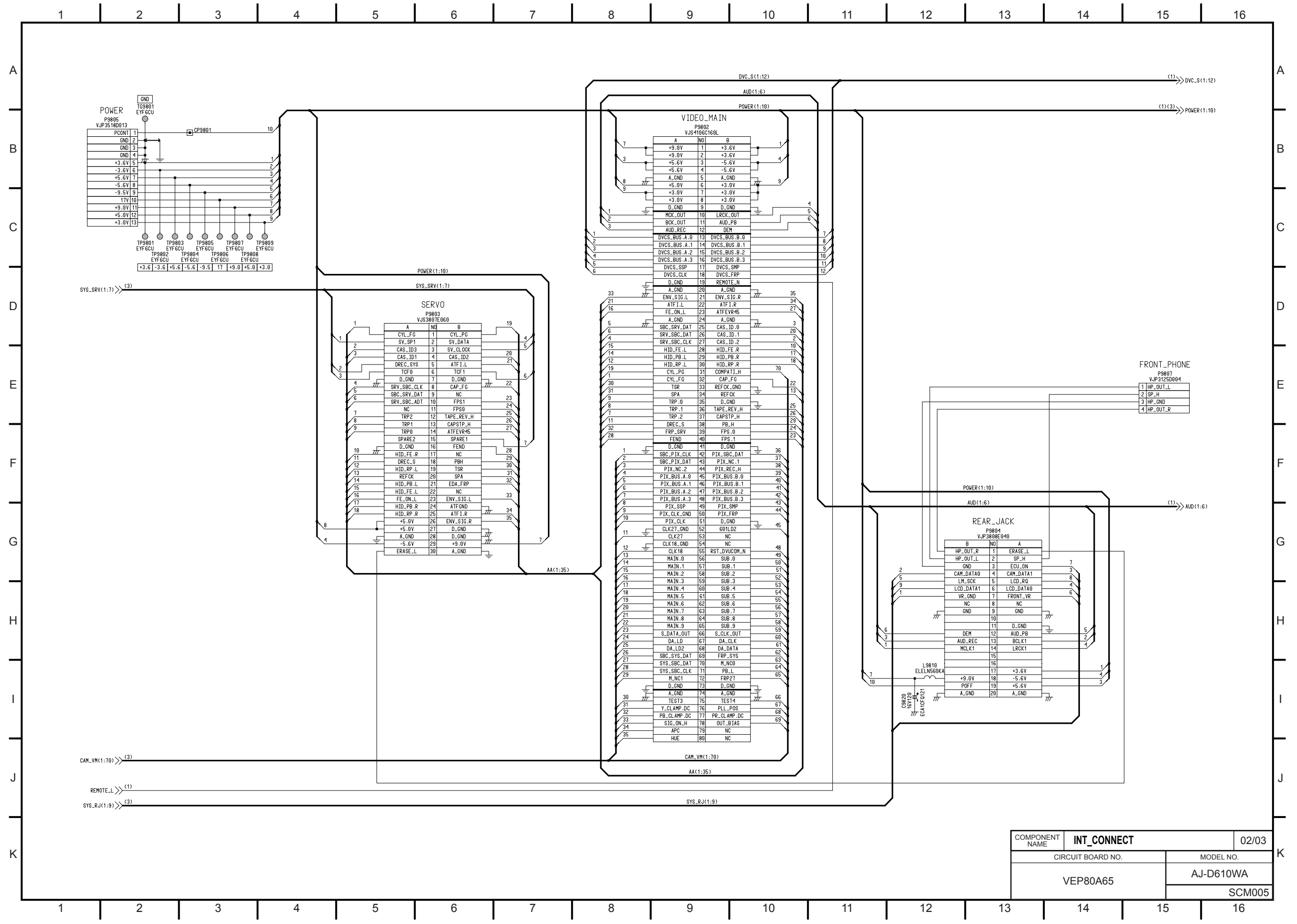




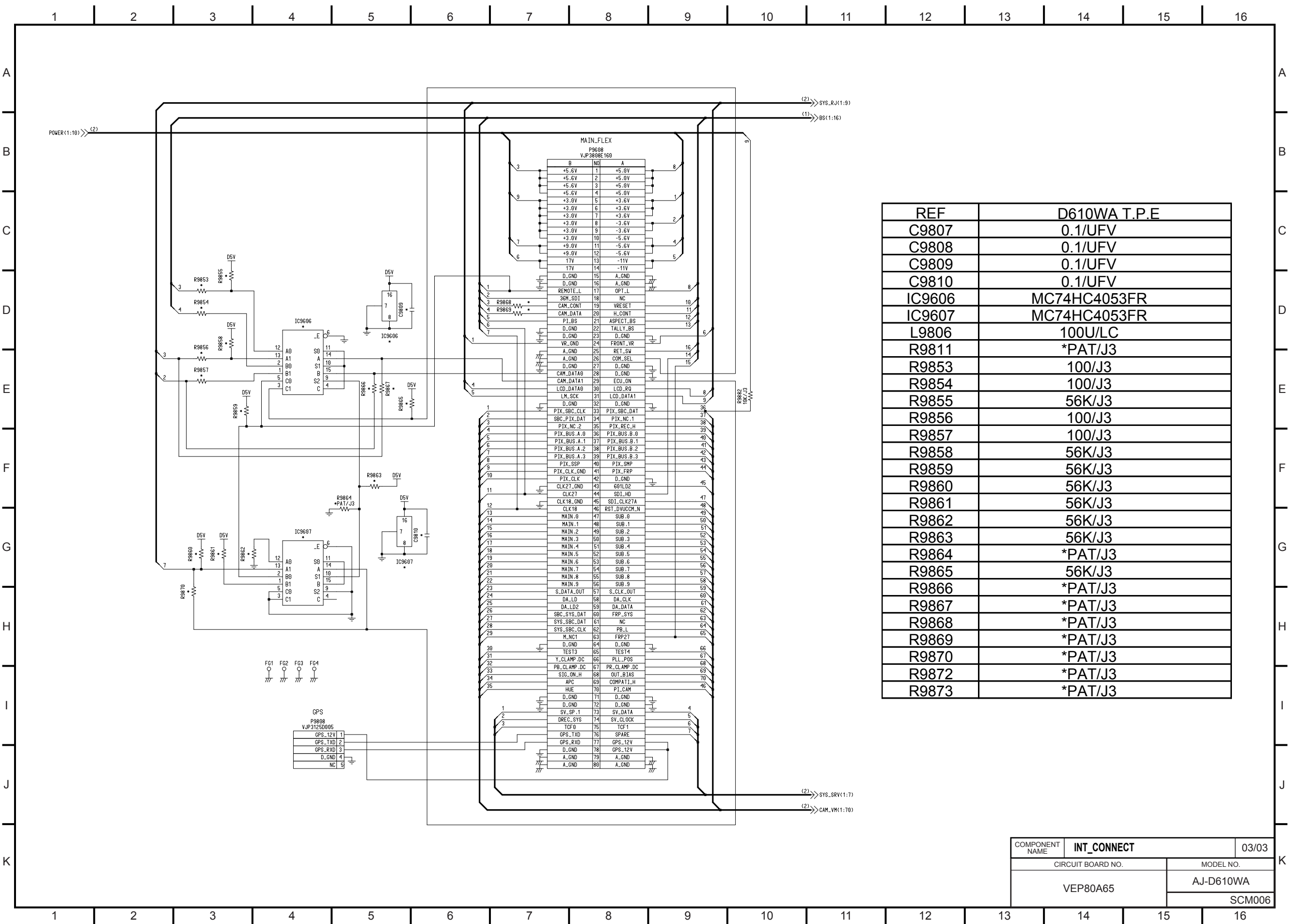
COMPONENT NAME	MOTHER	02/02
CIRCUIT BOARD NO.		MODEL NO.
VEP00Z41		AJ-D610WA
		SCM003



COMPONENT NAME	INT_CONNECT	01/03
CIRCUIT BOARD NO.		MODEL NO.
VEP80A65		AJ-D610WA
		SCM004



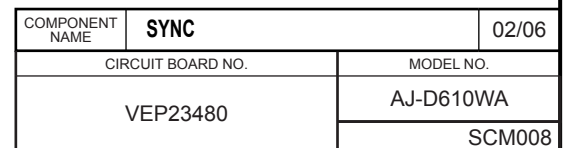
COMPONENT NAME	INT_CONNECT		02/03
	CIRCUIT BOARD NO.		MODEL NO.
	VEP80A65		AJ-D610WA
			SCM005



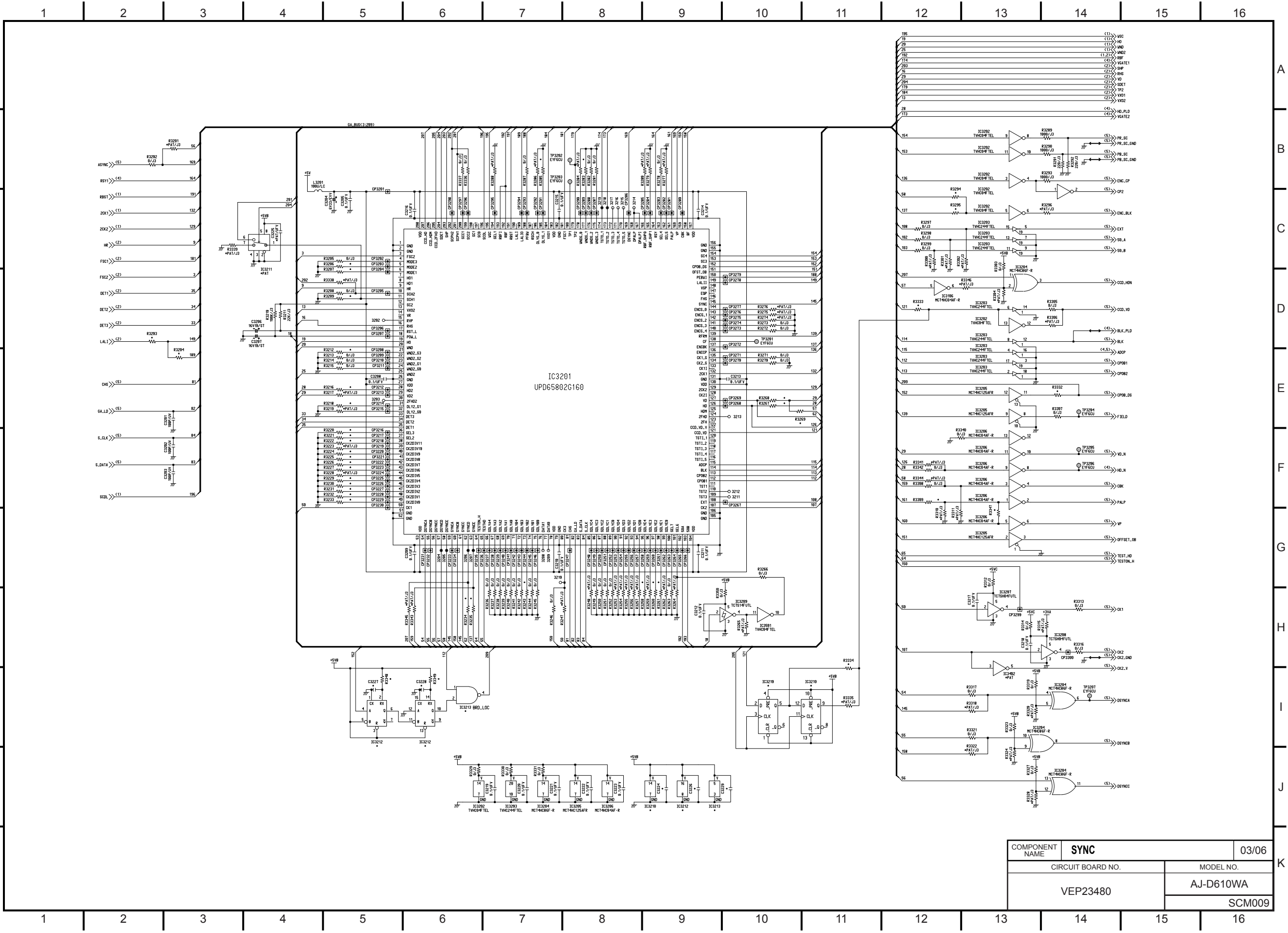
REF	D610WA T.P.E
C9807	0.1/UFV
C9808	0.1/UFV
C9809	0.1/UFV
C9810	0.1/UFV
IC9606	MC74HC4053FR
IC9607	MC74HC4053FR
L9806	100U/LC
R9811	*PAT/J3
R9853	100/J3
R9854	100/J3
R9855	56K/J3
R9856	100/J3
R9857	100/J3
R9858	56K/J3
R9859	56K/J3
R9860	56K/J3
R9861	56K/J3
R9862	56K/J3
R9863	56K/J3
R9864	*PAT/J3
R9865	56K/J3
R9866	*PAT/J3
R9867	*PAT/J3
R9868	*PAT/J3
R9869	*PAT/J3
R9870	*PAT/J3
R9872	*PAT/J3
R9873	*PAT/J3

COMPONENT NAME	INT_CONNECT	03/03
CIRCUIT BOARD NO.		MODEL NO.
VEP80A65		AJ-D610WA
		SCM006





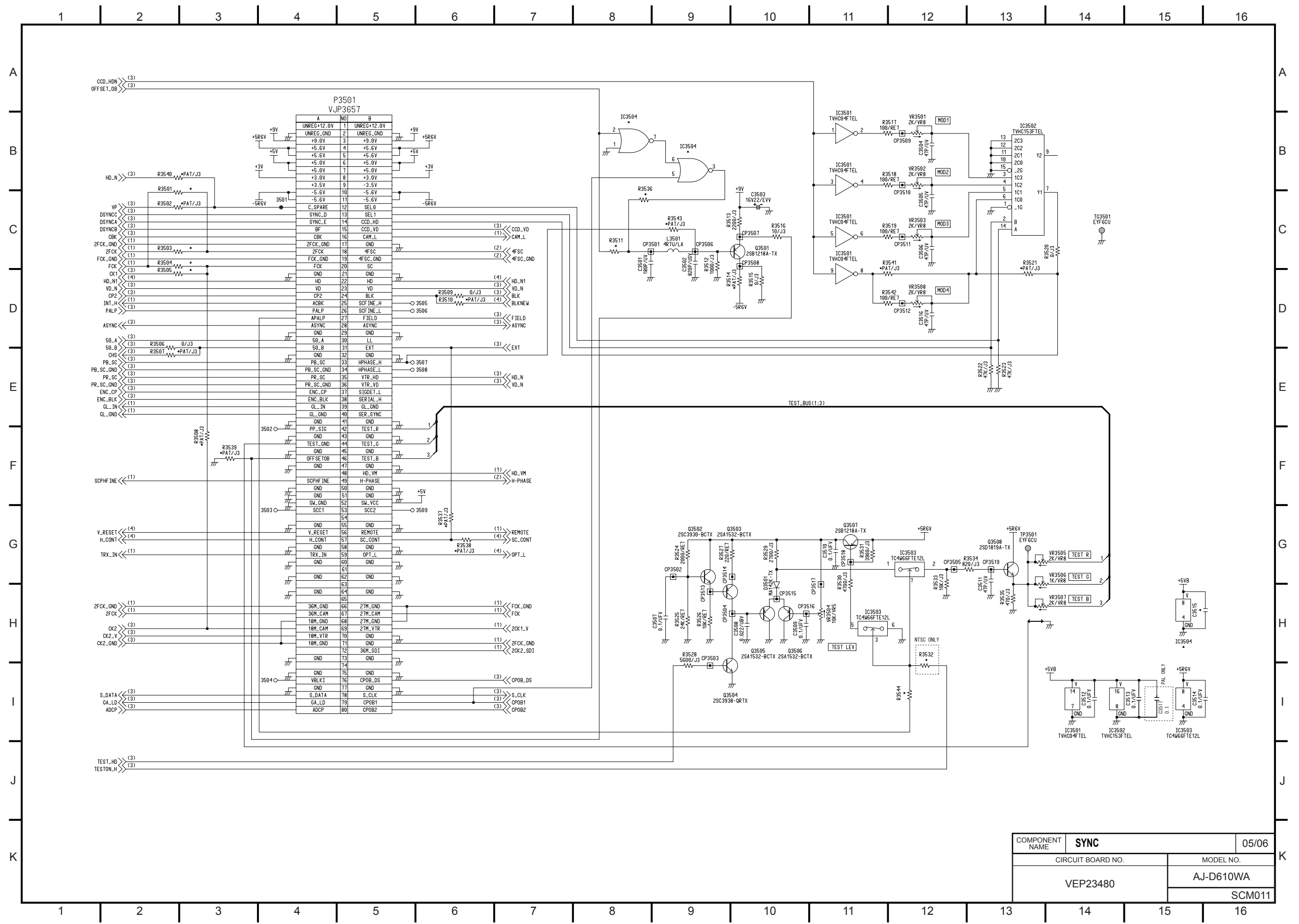




COMPONENT NAME	SYNC		03/06
	CIRCUIT BOARD NO.		MODEL NO.
	VEP23480		AJ-D610WA
			SCM009



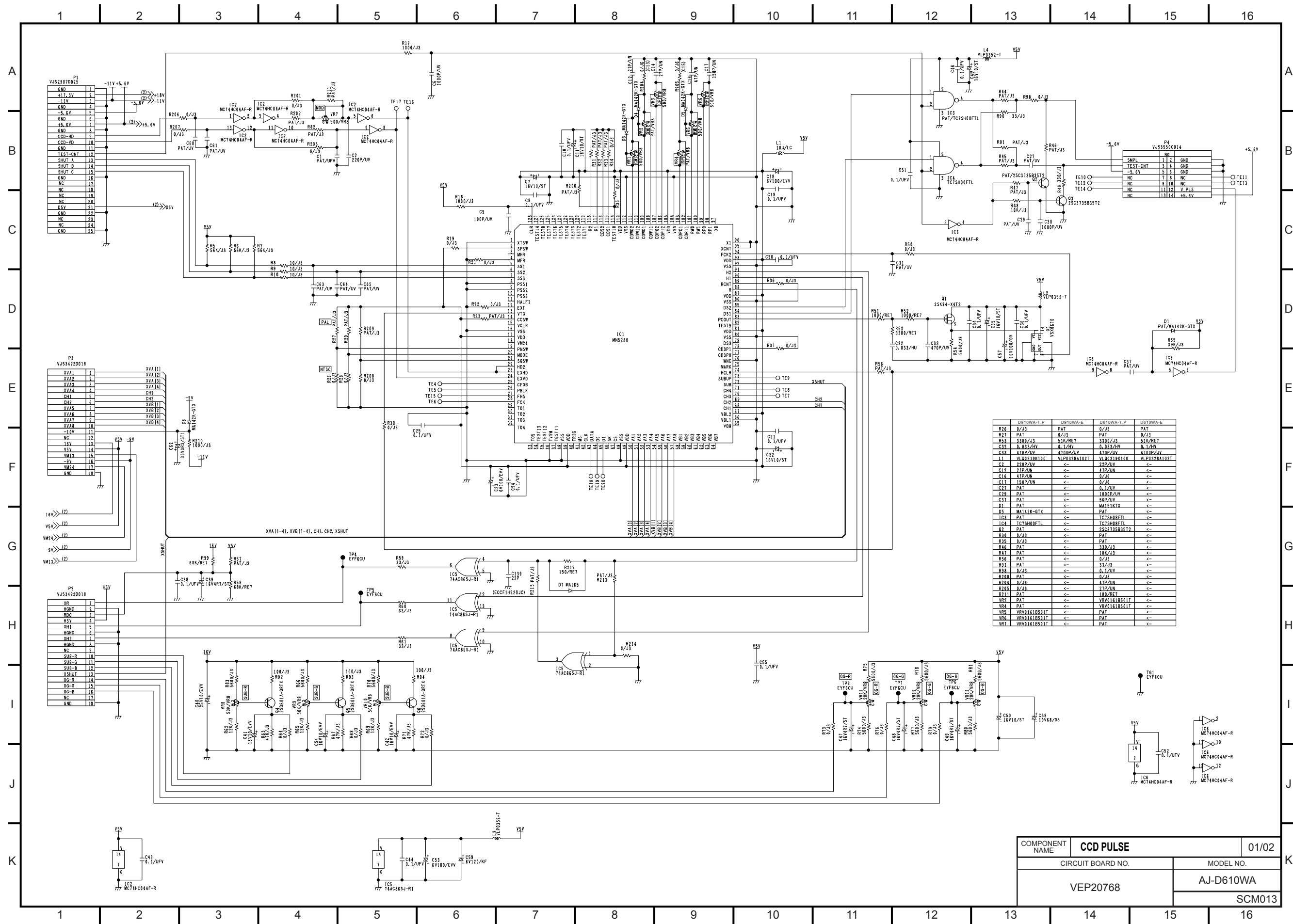


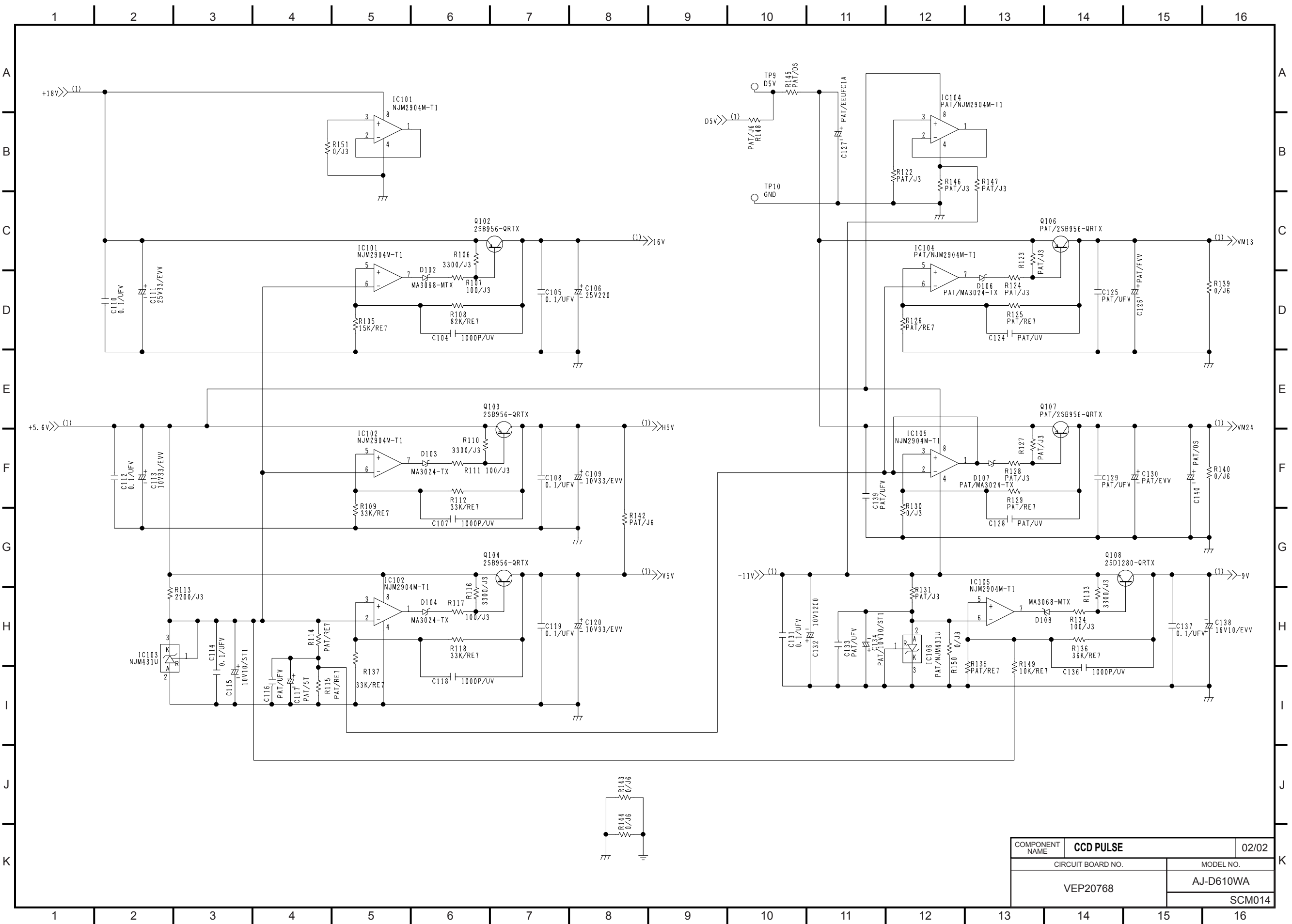


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C	<table><tr><td>\$REF\$</td><td>D610WAT,P</td><td>D610WAE</td></tr><tr><td>C3013</td><td>39P/UV</td><td>27P/UV</td></tr><tr><td>C3018</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3030</td><td>50VR47/EVN</td><td>50V1/EVN</td></tr><tr><td>C3032</td><td>0.1/UFV</td><td>0.1/UBV</td></tr><tr><td>C3036</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3037</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3038</td><td>0.01/UBV</td><td>0.01/UBV</td></tr><tr><td>C3039</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3040</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3041</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3042</td><td>50VR47/EVN</td><td>50V1/EVN</td></tr><tr><td>C3043</td><td>1000P/USV</td><td>1000P/USV</td></tr><tr><td>C3044</td><td>0.1/UFV</td><td>0.1/UBV</td></tr><tr><td>C3045</td><td>6V33/EVV</td><td>6V33/EVV</td></tr><tr><td>C3046</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3047</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3048</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3059</td><td>*PAT/EVV</td><td>*PAT/EVV</td></tr><tr><td>C3060</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3063</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3064</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3065</td><td>*PAT/UV</td><td>*PAT/UV</td></tr><tr><td>C3066</td><td>*PAT/UV</td><td>*PAT/UV</td></tr><tr><td>C3067</td><td>*PAT/UBN</td><td>*PAT/UBN</td></tr><tr><td>C3068</td><td>0.1/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3069</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3102</td><td>15P/UV</td><td>*PAT/UV</td></tr><tr><td>C3103</td><td>15P/UV</td><td>*PAT/UV</td></tr><tr><td>C3124</td><td>*PAT/EVN</td><td>16V10/EVN</td></tr><tr><td>C3135</td><td>*PAT/UFV</td><td>0.1/UFV</td></tr><tr><td>C3224</td><td>0.1/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3225</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3226</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3227</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3228</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3229</td><td>0.1/UFV</td><td>0.1/UFV</td></tr><tr><td>C3401</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3402</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3405</td><td>0.1/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3406</td><td>0.1/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3407</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3408</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>C3515</td><td>*PAT/UFV</td><td>*PAT/UFV</td></tr><tr><td>D3004</td><td>MA3020-TX</td><td>MA3020-TX</td></tr><tr><td>D3005</td><td>MA3020-TX</td><td>MA3020-TX</td></tr><tr><td>D3006</td><td>MA143-GTX</td><td>MA143-GTX</td></tr></table>			\$REF\$	D610WAT,P	D610WAE	C3013	39P/UV	27P/UV	C3018	*PAT/UFV	*PAT/UFV	C3030	50VR47/EVN	50V1/EVN	C3032	0.1/UFV	0.1/UBV	C3036	*PAT/UFV	*PAT/UFV	C3037	0.1/UFV	0.1/UFV	C3038	0.01/UBV	0.01/UBV	C3039	0.1/UFV	0.1/UFV	C3040	0.1/UFV	0.1/UFV	C3041	0.1/UFV	0.1/UFV	C3042	50VR47/EVN	50V1/EVN	C3043	1000P/USV	1000P/USV	C3044	0.1/UFV	0.1/UBV	C3045	6V33/EVV	6V33/EVV	C3046	0.1/UFV	0.1/UFV	C3047	0.1/UFV	0.1/UFV	C3048	*PAT/UFV	*PAT/UFV	C3059	*PAT/EVV	*PAT/EVV	C3060	*PAT/UFV	*PAT/UFV	C3063	*PAT/UFV	*PAT/UFV	C3064	*PAT/UFV	*PAT/UFV	C3065	*PAT/UV	*PAT/UV	C3066	*PAT/UV	*PAT/UV	C3067	*PAT/UBN	*PAT/UBN	C3068	0.1/UFV	*PAT/UFV	C3069	*PAT/UFV	*PAT/UFV	C3102	15P/UV	*PAT/UV	C3103	15P/UV	*PAT/UV	C3124	*PAT/EVN	16V10/EVN	C3135	*PAT/UFV	0.1/UFV	C3224	0.1/UFV	*PAT/UFV	C3225	*PAT/UFV	*PAT/UFV	C3226	0.1/UFV	0.1/UFV	C3227	0.1/UFV	0.1/UFV	C3228	0.1/UFV	0.1/UFV	C3229	0.1/UFV	0.1/UFV	C3401	*PAT/UFV	*PAT/UFV	C3402	*PAT/UFV	*PAT/UFV	C3405	0.1/UFV	*PAT/UFV	C3406	0.1/UFV	*PAT/UFV	C3407	*PAT/UFV	*PAT/UFV	C3408	*PAT/UFV	*PAT/UFV	C3515	*PAT/UFV	*PAT/UFV	D3004	MA3020-TX	MA3020-TX	D3005	MA3020-TX	MA3020-TX	D3006	MA143-GTX	MA143-GTX	<table><tr><td>\$REF\$</td><td>D610WAT,P</td><td>D610WAE</td></tr><tr><td>IC3011</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3012</td><td>NJM062M-T1</td><td>NJM062M-T1</td></tr><tr><td>IC3013</td><td>TC7SH04FUTL</td><td>TC7SH04FUTL</td></tr><tr><td>IC3014</td><td>TC7SH86FUTL</td><td>TC7SH86FUTL</td></tr><tr><td>IC3015</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3016</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3017</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3018</td><td>TC7S32FUTL</td><td>*PAT</td></tr><tr><td>IC3019</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3110</td><td>*PAT</td><td>AD790JR-R</td></tr><tr><td>IC3210</td><td>TVHC74FTEL</td><td>*PAT</td></tr><tr><td>IC3211</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3212</td><td>MC74HC4538AR</td><td>MC74HC4538AR</td></tr><tr><td>IC3213</td><td>TC7S00FUTL</td><td>TC7S00FUTL</td></tr><tr><td>IC3401</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3402</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3403</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3404</td><td>MC14053BDETL</td><td>*PAT</td></tr><tr><td>IC3405</td><td>*PAT</td><td>*PAT</td></tr><tr><td>IC3504</td><td>*PAT</td><td>*PAT</td></tr><tr><td>L3001</td><td>68U/LA</td><td>39U/LA</td></tr><tr><td>L3003</td><td>*PAT/LC</td><td>*PAT/LC</td></tr><tr><td>L3004</td><td>100U/LC</td><td>VLP0352-T</td></tr><tr><td>L3005</td><td>100U/LC</td><td>VLP0352-T</td></tr><tr><td>L3008</td><td>*PAT/LC</td><td>*PAT/LC</td></tr><tr><td>L3011</td><td>*PAT/LC</td><td>*PAT/LC</td></tr><tr><td>L3012</td><td>*PAT/LA</td><td>*PAT/LA</td></tr><tr><td>L3101</td><td>*PAT/LC</td><td>*PAT/LC</td></tr><tr><td>Q3006</td><td>*PAT</td><td>*PAT</td></tr><tr><td>R3001</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3025</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3026</td><td>0/J3</td><td>*PAT/J3</td></tr><tr><td>R3028</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3031</td><td>9100/RE7</td><td>10K/RE7</td></tr><tr><td>R3033</td><td>2000/RE7</td><td>1800/RE7</td></tr><tr><td>R3035</td><td>33K/J3</td><td>68K/J3</td></tr><tr><td>R3036</td><td>22K/RE7</td><td>22K/RE7</td></tr><tr><td>R3037</td><td>27K/RE7</td><td>22K/RE7</td></tr><tr><td>R3039</td><td>16K/RE7</td><td>15K/RE7</td></tr><tr><td>R3040</td><td>22K/J3</td><td>5100/RE7</td></tr><tr><td>R3043</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3044</td><td>0/J3</td><td>VLP0353-T</td></tr><tr><td>R3045</td><td>0/J3</td><td>VLP0353-T</td></tr><tr><td>R3046</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3048</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3049</td><td>*PAT/J3</td><td>*PAT/J3</td></tr></table>			\$REF\$	D610WAT,P	D610WAE	IC3011	*PAT	*PAT	IC3012	NJM062M-T1	NJM062M-T1	IC3013	TC7SH04FUTL	TC7SH04FUTL	IC3014	TC7SH86FUTL	TC7SH86FUTL	IC3015	*PAT	*PAT	IC3016	*PAT	*PAT	IC3017	*PAT	*PAT	IC3018	TC7S32FUTL	*PAT	IC3019	*PAT	*PAT	IC3110	*PAT	AD790JR-R	IC3210	TVHC74FTEL	*PAT	IC3211	*PAT	*PAT	IC3212	MC74HC4538AR	MC74HC4538AR	IC3213	TC7S00FUTL	TC7S00FUTL	IC3401	*PAT	*PAT	IC3402	*PAT	*PAT	IC3403	*PAT	*PAT	IC3404	MC14053BDETL	*PAT	IC3405	*PAT	*PAT	IC3504	*PAT	*PAT	L3001	68U/LA	39U/LA	L3003	*PAT/LC	*PAT/LC	L3004	100U/LC	VLP0352-T	L3005	100U/LC	VLP0352-T	L3008	*PAT/LC	*PAT/LC	L3011	*PAT/LC	*PAT/LC	L3012	*PAT/LA	*PAT/LA	L3101	*PAT/LC	*PAT/LC	Q3006	*PAT	*PAT	R3001	*PAT/J3	0/J3	R3025	*PAT/J3	0/J3	R3026	0/J3	*PAT/J3	R3028	*PAT/J3	*PAT/J3	R3031	9100/RE7	10K/RE7	R3033	2000/RE7	1800/RE7	R3035	33K/J3	68K/J3	R3036	22K/RE7	22K/RE7	R3037	27K/RE7	22K/RE7	R3039	16K/RE7	15K/RE7	R3040	22K/J3	5100/RE7	R3043	*PAT/J3	0/J3	R3044	0/J3	VLP0353-T	R3045	0/J3	VLP0353-T	R3046	*PAT/J3	*PAT/J3	R3048	*PAT/J3	*PAT/J3	R3049	*PAT/J3	*PAT/J3	<table><tr><td>\$REF\$</td><td>D610WAT,P</td><td>D610WAE</td></tr><tr><td>R3050</td><td>470/J3</td><td>470/J3</td></tr><tr><td>R3051</td><td>27K/J3</td><td>100K/RE7</td></tr><tr><td>R3052</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3053</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3054</td><td>15K/RE7</td><td>15K/RE7</td></tr><tr><td>R3055</td><td>16K/RE7</td><td>15K/RE7</td></tr><tr><td>R3056</td><td>22K/J3</td><td>5100/RE7</td></tr><tr><td>R3057</td><td>1M/J3</td><td>1M/J3</td></tr><tr><td>R3058</td><td>1000/J3</td><td>1000/J3</td></tr><tr><td>R3059</td><td>0/J3</td><td>VLP0353-T</td></tr><tr><td>R3060</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3061</td><td>0/J3</td><td>VLP0353-T</td></tr><tr><td>R3062</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3063</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3064</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3066</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3068</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3069</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3070</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3071</td><td>*PAT/RE7</td><td>*PAT/RE7</td></tr><tr><td>R3072</td><td>22K/J3</td><td>75/RE7</td></tr><tr><td>R3073</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3074</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3076</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3077</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3078</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3079</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3082</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3083</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3084</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3085</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3101</td><td>6800/J3</td><td>8200/J3</td></tr><tr><td>R3106</td><td>*PAT/RE7</td><td>*PAT/RE7</td></tr><tr><td>R3107</td><td>15K/RE7</td><td>8200/RE7</td></tr><tr><td>R3108</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3111</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3112</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3113</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3116</td><td>820/RE7</td><td>820/RE7</td></tr><tr><td>R3123</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3127</td><td>0/J3</td><td>*PAT/J3</td></tr><tr><td>R3128</td><td>22K/J3</td><td>82K/J3</td></tr><tr><td>R3129</td><td>10K/RE7</td><td>*PAT/RE7</td></tr><tr><td>R3131</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3132</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3134</td><td>680K/J3</td><td>1M/J3</td></tr></table>			\$REF\$	D610WAT,P	D610WAE	R3050	470/J3	470/J3	R3051	27K/J3	100K/RE7	R3052	*PAT/J3	*PAT/J3	R3053	*PAT/J3	*PAT/J3	R3054	15K/RE7	15K/RE7	R3055	16K/RE7	15K/RE7	R3056	22K/J3	5100/RE7	R3057	1M/J3	1M/J3	R3058	1000/J3	1000/J3	R3059	0/J3	VLP0353-T	R3060	*PAT/J3	*PAT/J3	R3061	0/J3	VLP0353-T	R3062	0/J3	0/J3	R3063	*PAT/J3	*PAT/J3	R3064	*PAT/J3	*PAT/J3	R3066	*PAT/J3	*PAT/J3	R3068	*PAT/J3	*PAT/J3	R3069	*PAT/J3	*PAT/J3	R3070	*PAT/J3	*PAT/J3	R3071	*PAT/RE7	*PAT/RE7	R3072	22K/J3	75/RE7	R3073	*PAT/J3	*PAT/J3	R3074	0/J3	0/J3	R3076	*PAT/J3	*PAT/J3	R3077	*PAT/J3	*PAT/J3	R3078	*PAT/J3	*PAT/J3	R3079	*PAT/J3	*PAT/J3	R3082	0/J3	0/J3	R3083	*PAT/J3	*PAT/J3	R3084	*PAT/J3	0/J3	R3085	*PAT/J3	*PAT/J3	R3101	6800/J3	8200/J3	R3106	*PAT/RE7	*PAT/RE7	R3107	15K/RE7	8200/RE7	R3108	*PAT/J3	*PAT/J3	R3111	*PAT/J3	*PAT/J3	R3112	*PAT/J3	*PAT/J3	R3113	*PAT/J3	*PAT/J3	R3116	820/RE7	820/RE7	R3123	*PAT/J3	*PAT/J3	R3127	0/J3	*PAT/J3	R3128	22K/J3	82K/J3	R3129	10K/RE7	*PAT/RE7	R3131	*PAT/J3	*PAT/J3	R3132	*PAT/J3	*PAT/J3	R3134	680K/J3	1M/J3	<table><tr><td>\$REF\$</td><td>D610WAT,P</td><td>D610WAE</td></tr><tr><td>R3136</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3137</td><td>*PAT/J3</td><td>10K/J3</td></tr><tr><td>R3138</td><td>*PAT/J3</td><td>18K/J3</td></tr><tr><td>R3139</td><td>*PAT/J3</td><td>4700/J3</td></tr><tr><td>R3140</td><td>*PAT/J3</td><td>560/J3</td></tr><tr><td>R3141</td><td>0/J3</td><td>*PAT/J3</td></tr><tr><td>R3142</td><td>0/J3</td><td>VLP0353-T</td></tr><tr><td>R3146</td><td>10K/RE7</td><td>10K/RE7</td></tr><tr><td>R3147</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3148</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3149</td><td>*PAT/RE7</td><td>*PAT/RE7</td></tr><tr><td>R3201</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3203</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3204</td><td>0/J3</td><td>*PAT/J3</td></tr><tr><td>R3206</td><td>0/J3</td><td>*PAT/J3</td></tr><tr><td>R3207</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3209</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3212</td><td>0/J3</td><td>*PAT/J3</td></tr><tr><td>R3216</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3217</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3218</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3219</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3220</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3221</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3222</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3223</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3224</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3225</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3226</td><td>0/J3</td><td>*PAT/J3</td></tr><tr><td>R3227</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3228</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3229</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3230</td><td>*PAT/J3</td><td>0/J3</td></tr><tr><td>R3231</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3232</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3233</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3234</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3235</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3243</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3247</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3248</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3253</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3254</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3255</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3256</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3257</td><td>*PAT/J3</td><td>*PAT/J3</td></tr></table>			\$REF\$	D610WAT,P	D610WAE	R3136	*PAT/J3	0/J3	R3137	*PAT/J3	10K/J3	R3138	*PAT/J3	18K/J3	R3139	*PAT/J3	4700/J3	R3140	*PAT/J3	560/J3	R3141	0/J3	*PAT/J3	R3142	0/J3	VLP0353-T	R3146	10K/RE7	10K/RE7	R3147	0/J3	0/J3	R3148	0/J3	0/J3	R3149	*PAT/RE7	*PAT/RE7	R3201	*PAT/J3	*PAT/J3	R3203	*PAT/J3	0/J3	R3204	0/J3	*PAT/J3	R3206	0/J3	*PAT/J3	R3207	*PAT/J3	*PAT/J3	R3209	0/J3	0/J3	R3212	0/J3	*PAT/J3	R3216	0/J3	0/J3	R3217	*PAT/J3	*PAT/J3	R3218	*PAT/J3	*PAT/J3	R3219	*PAT/J3	*PAT/J3	R3220	*PAT/J3	0/J3	R3221	*PAT/J3	0/J3	R3222	0/J3	0/J3	R3223	*PAT/J3	*PAT/J3	R3224	0/J3	0/J3	R3225	0/J3	0/J3	R3226	0/J3	*PAT/J3	R3227	*PAT/J3	0/J3	R3228	*PAT/J3	0/J3	R3229	*PAT/J3	0/J3	R3230	*PAT/J3	0/J3	R3231	0/J3	0/J3	R3232	0/J3	0/J3	R3233	0/J3	0/J3	R3234	0/J3	0/J3	R3235	*PAT/J3	*PAT/J3	R3243	0/J3	0/J3	R3247	*PAT/J3	*PAT/J3	R3248	*PAT/J3	*PAT/J3	R3253	*PAT/J3	*PAT/J3	R3254	*PAT/J3	*PAT/J3	R3255	*PAT/J3	*PAT/J3	R3256	*PAT/J3	*PAT/J3	R3257	*PAT/J3	*PAT/J3	<table><tr><td>\$REF\$</td><td>D610WAT,P</td><td>D610WAE</td></tr><tr><td>R3258</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3259</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3260</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3261</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3262</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3264</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3265</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3267</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3268</td><td>*PAT/J3</td><td>*PAT/J3</td></tr><tr><td>R3269</td><td>0/J3</td><td>0/J3</td></tr><tr><td>R3274</td><td>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R3501	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3502	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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R3504	0/J3	0/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3505	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3507	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3508	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3510	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3511	100/J3	100/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3514	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3521	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3532	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3536	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3537	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3538	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3539	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3540	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3541	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3543	*PAT/J3	*PAT/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
R3544	10K/J3	10K/J3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
TP3005	EYF6CU	EYF6CU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
VR3002	5KVR5	5KVR5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
VR3003	*PAT/VR5	*PAT/VR5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
VR3505	2K/VR8	2K/VR8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
X3001	VSX0788	VSX0788																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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X3101	VSX0338	VSX0270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
X3102	VSX0688	VSX0689																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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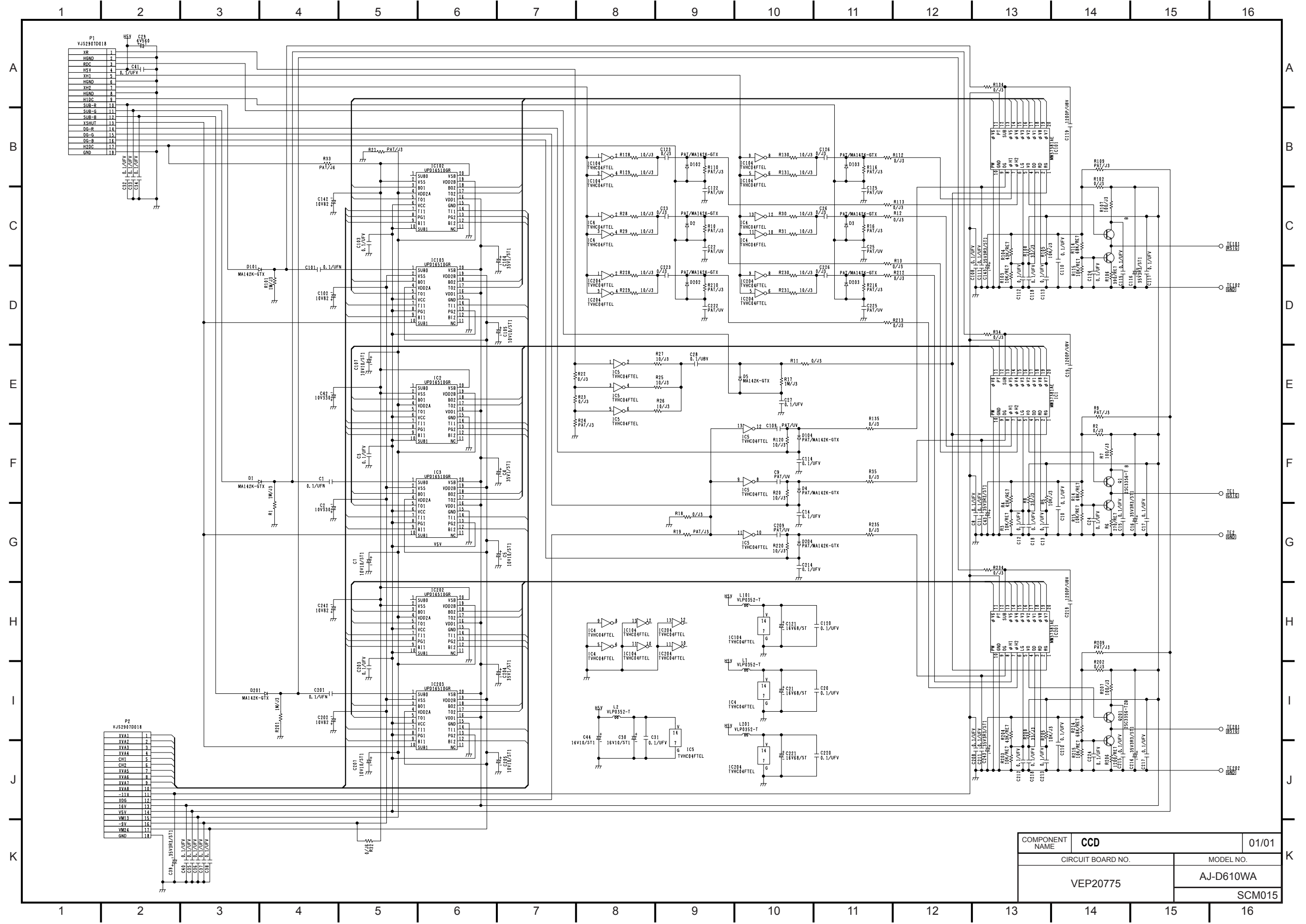
COMPONENT NAME	SYNC		06/06
CIRCUIT BOARD NO.		MODEL NO.	
VEP23480		AJ-D610WA	
		SCM012	

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COMPONENT NAME	CCD PULSE	02/02
CIRCUIT BOARD NO.		MODEL NO.
VEP20768		AJ-D610WA
		SCM014



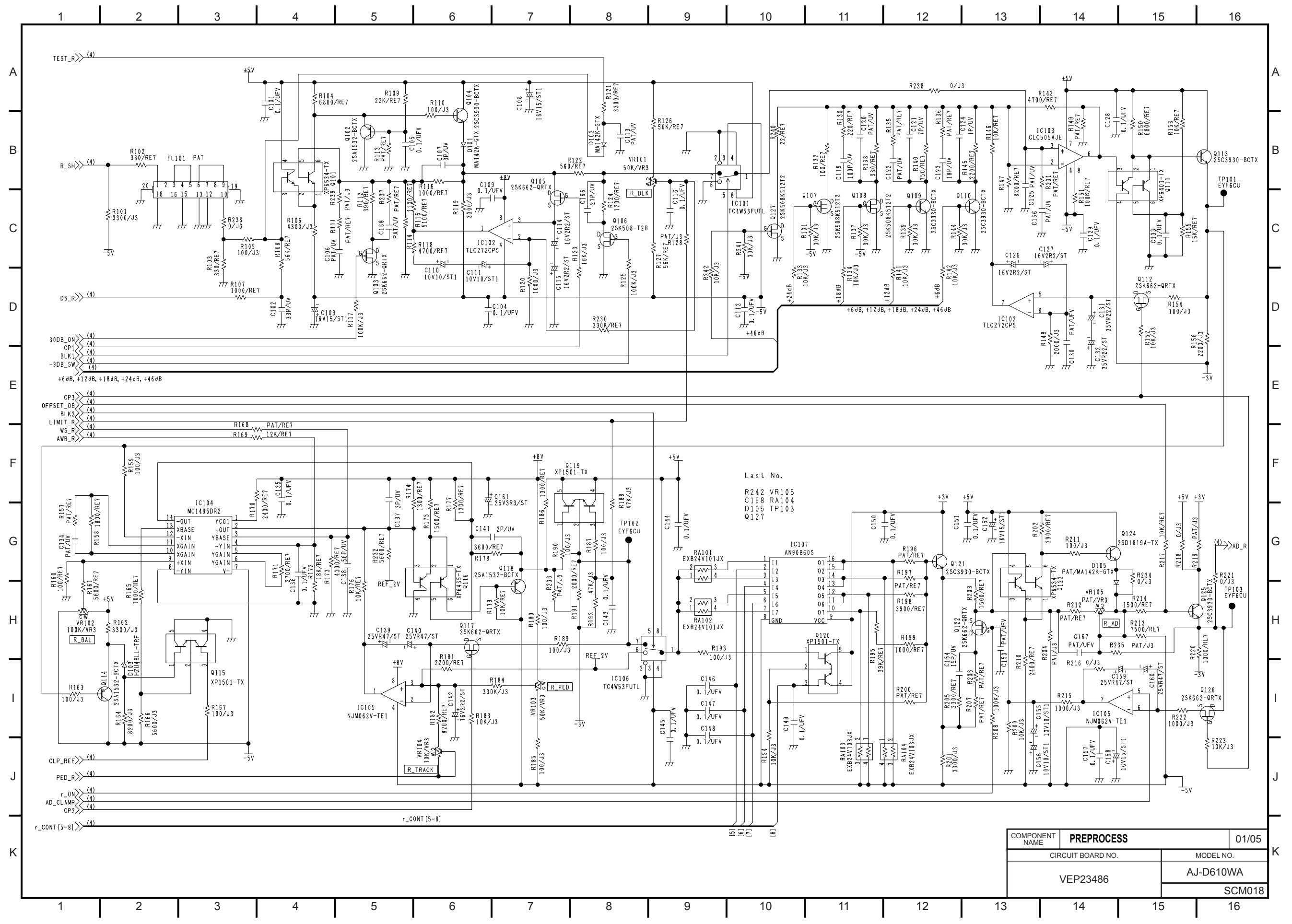
COMPONENT NAME	CCD		01/01
	CIRCUIT BOARD NO.		MODEL NO.
	VEP20775		AJ-D610WA
			SCM015



COMPONENT NAME	CDS	01/02
CIRCUIT BOARD NO.		MODEL NO.
VEP25016		AJ-D610WA
		SCM016



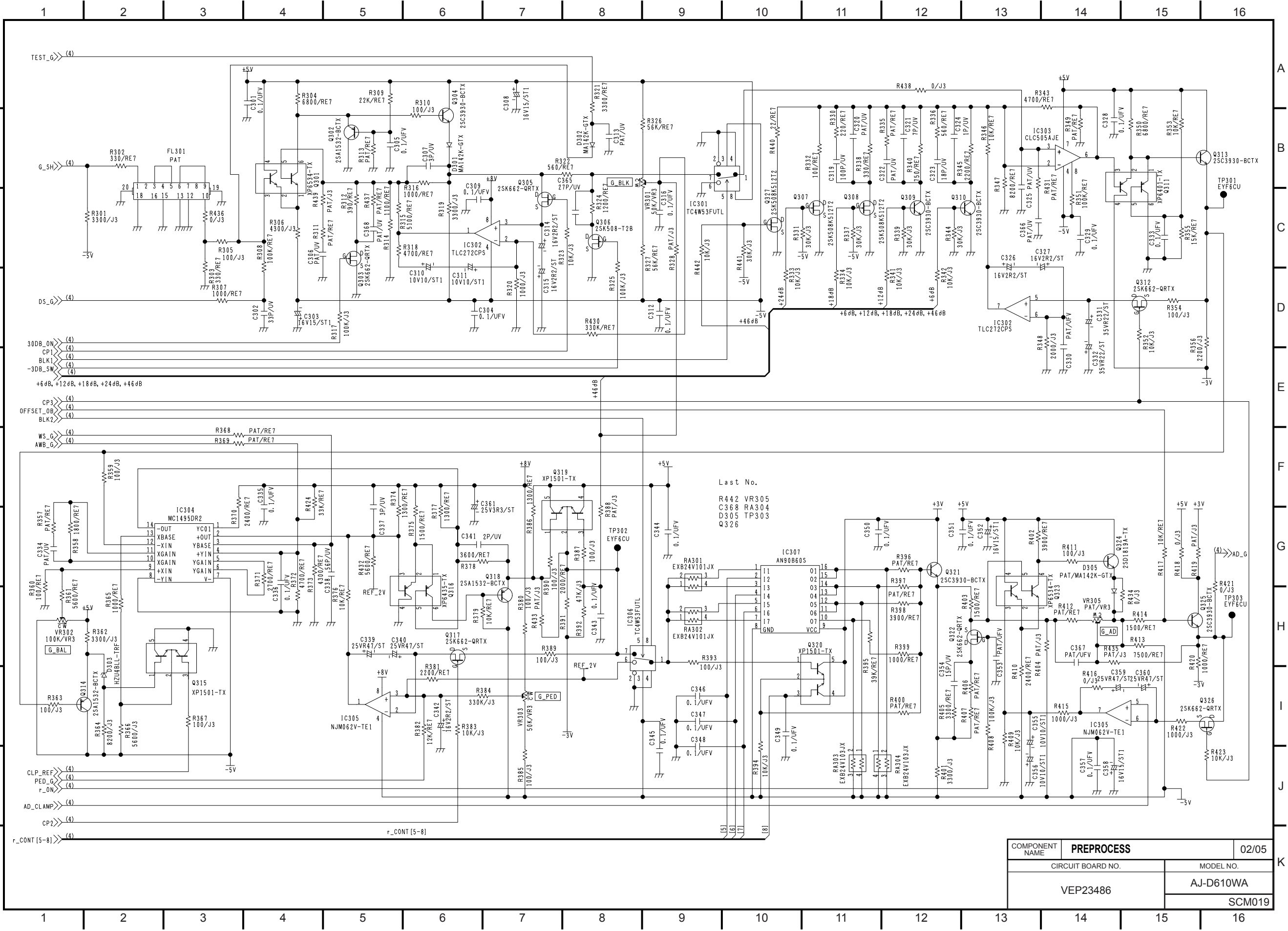
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		C3103	47P/UV	47P/UV	47P/UV	10P/UV											
		C3104	47P/UV	47P/UV	47P/UV	10P/UV											
		C3106	47P/UV	47P/UV	47P/UV	10P/UV											
		C3107	47P/UV	47P/UV	47P/UV	10P/UV											
B		C3109	10P/UV	10P/UV	10P/UV	PAT/UV											B
		C3114	1P/UV	1P/UV	1P/UV	1P/UV											
		C3115	PAT/UV	PAT/UV	PAT/UV	2400/RE7											
		C3116	0/J3	0/J3	0/J3	PAT/UV											
C		C3117	PAT/UV	PAT/UV	PAT/UV	PAT/UV											C
		C3118	2P/UV	2P/UV	2P/UV	8P/UV											
		C3203	47P/UV	47P/UV	47P/UV	10P/UV											
		C3204	47P/UV	47P/UV	47P/UV	10P/UV											
		C3206	47P/UV	47P/UV	47P/UV	10P/UV											
D		C3207	47P/UV	47P/UV	47P/UV	10P/UV											D
		C3209	10P/UV	10P/UV	10P/UV	PAT/UV											
		C3214	1R5P/UV	1R5P/UV	1R5P/UV	1R5P/UV											
		C3215	PAT/UV	PAT/UV	PAT/UV	2400/RE7											
		C3216	0/J3	0/J3	0/J3	PAT/UV											
E		C3217	PAT/UV	PAT/UV	PAT/UV	PAT/UV											E
		C3218	6P/UV	6P/UV	6P/UV	7P/UV											
		C3303	47P/UV	47P/UV	47P/UV	10P/UV											
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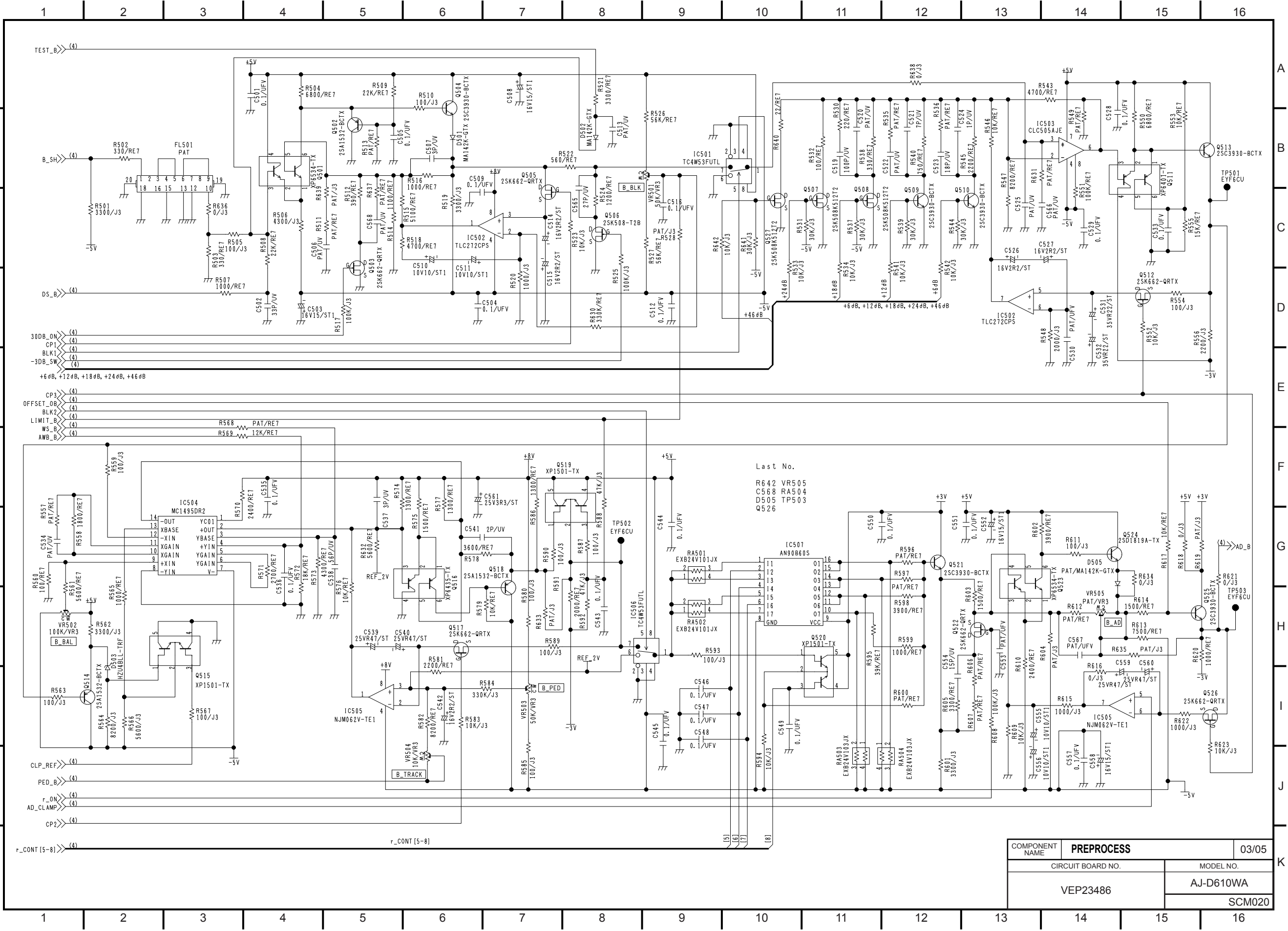
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C168 RA104  
D105 TP103  
Q127

COMPONENT NAME	PREPROCESS		01/05
	CIRCUIT BOARD NO.		MODEL NO.
VEP23486		AJ-D610WA	
		SCM018	

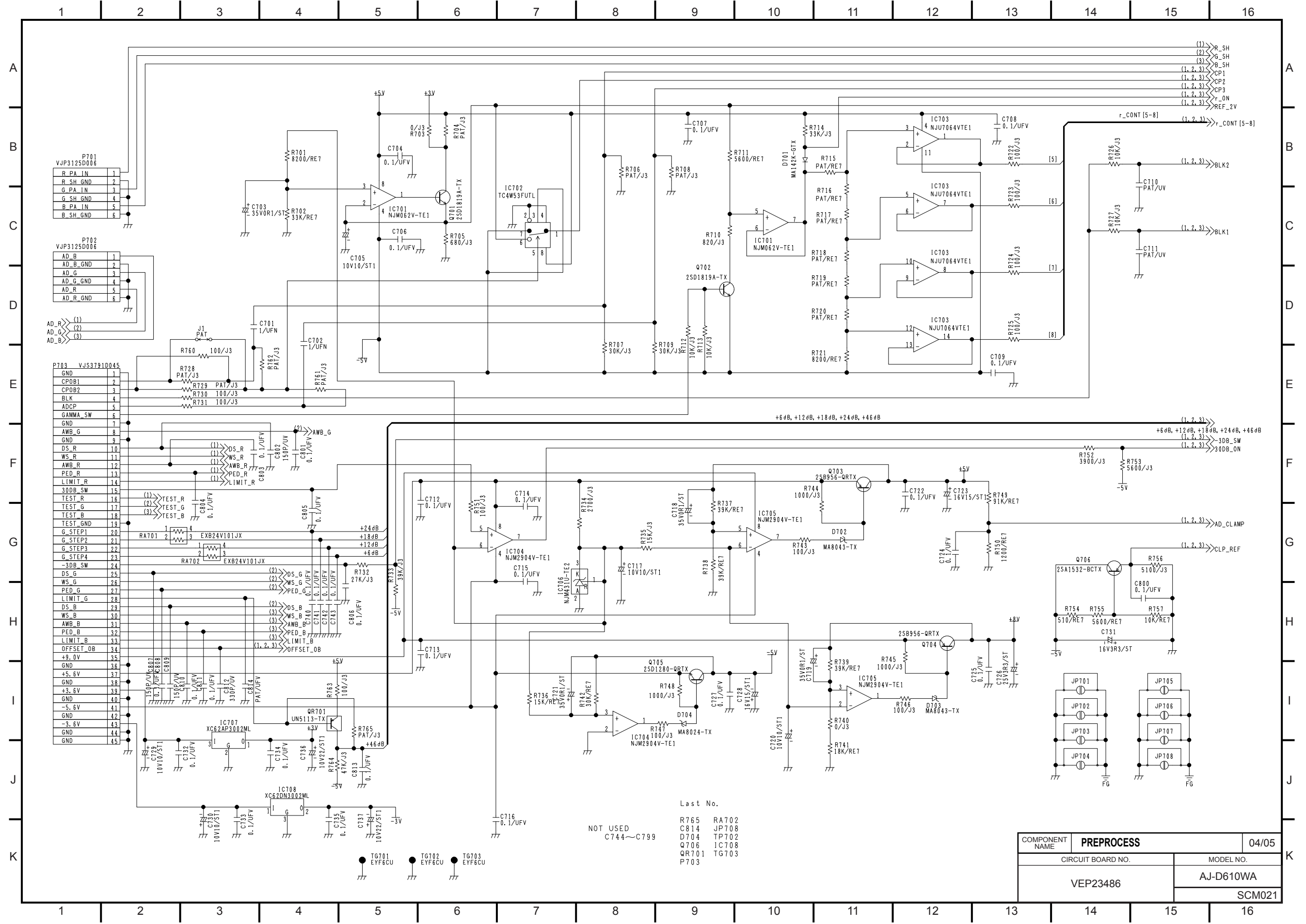




COMPONENT NAME	PREPROCESS		02/05
	CIRCUIT BOARD NO.		MODEL NO.
VEP23486		AJ-D610WA	
		SCM019	



COMPONENT NAME	PREPROCESS		03/05
CIRCUIT BOARD NO.		MODEL NO.	
VEP23486		AJ-D610WA	
		SCM020	

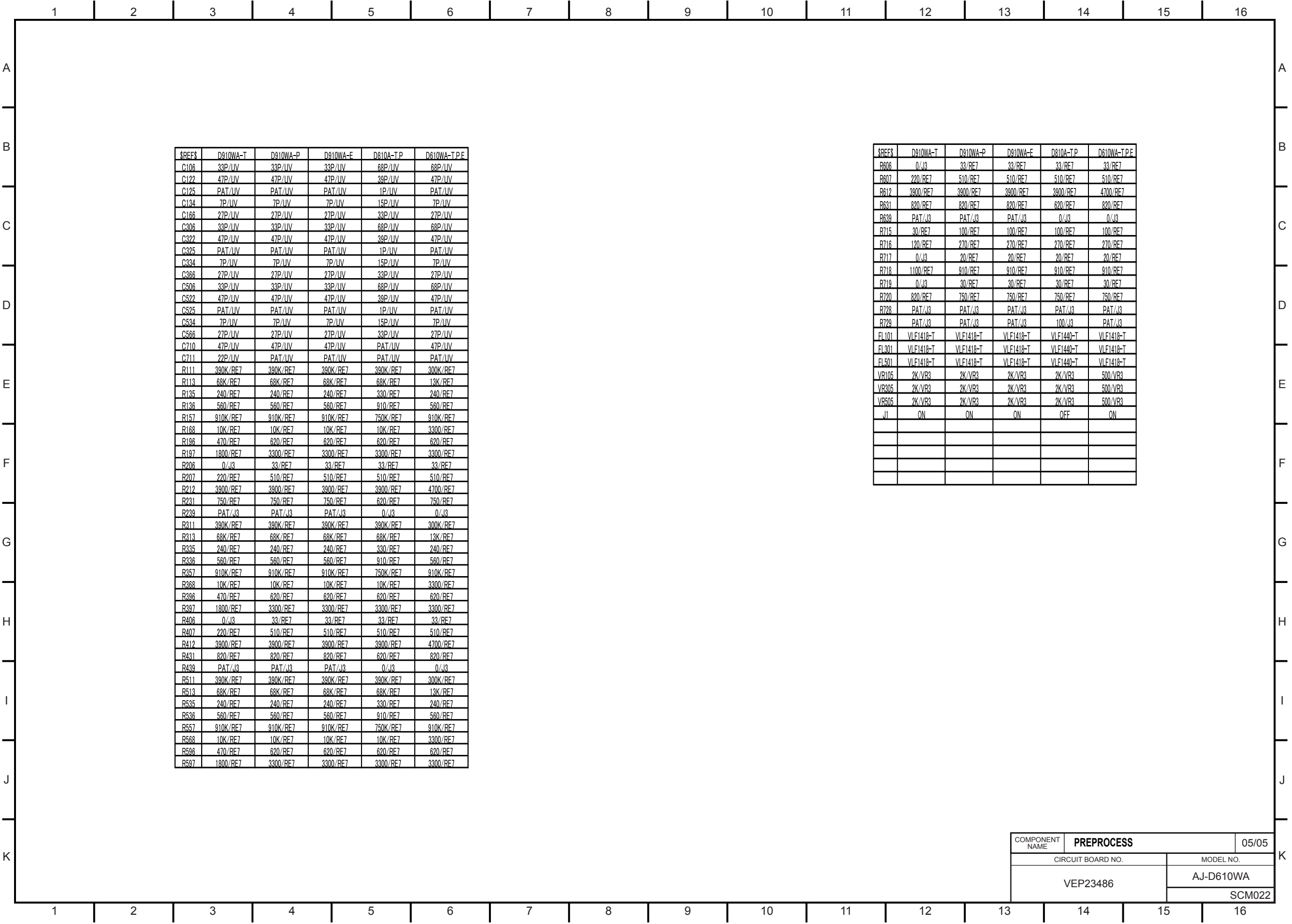


Last No.

- R765 RA702
- C814 JP708
- D704 TP708
- Q706 IC708
- Q701 TG703
- P703

NOT USED  
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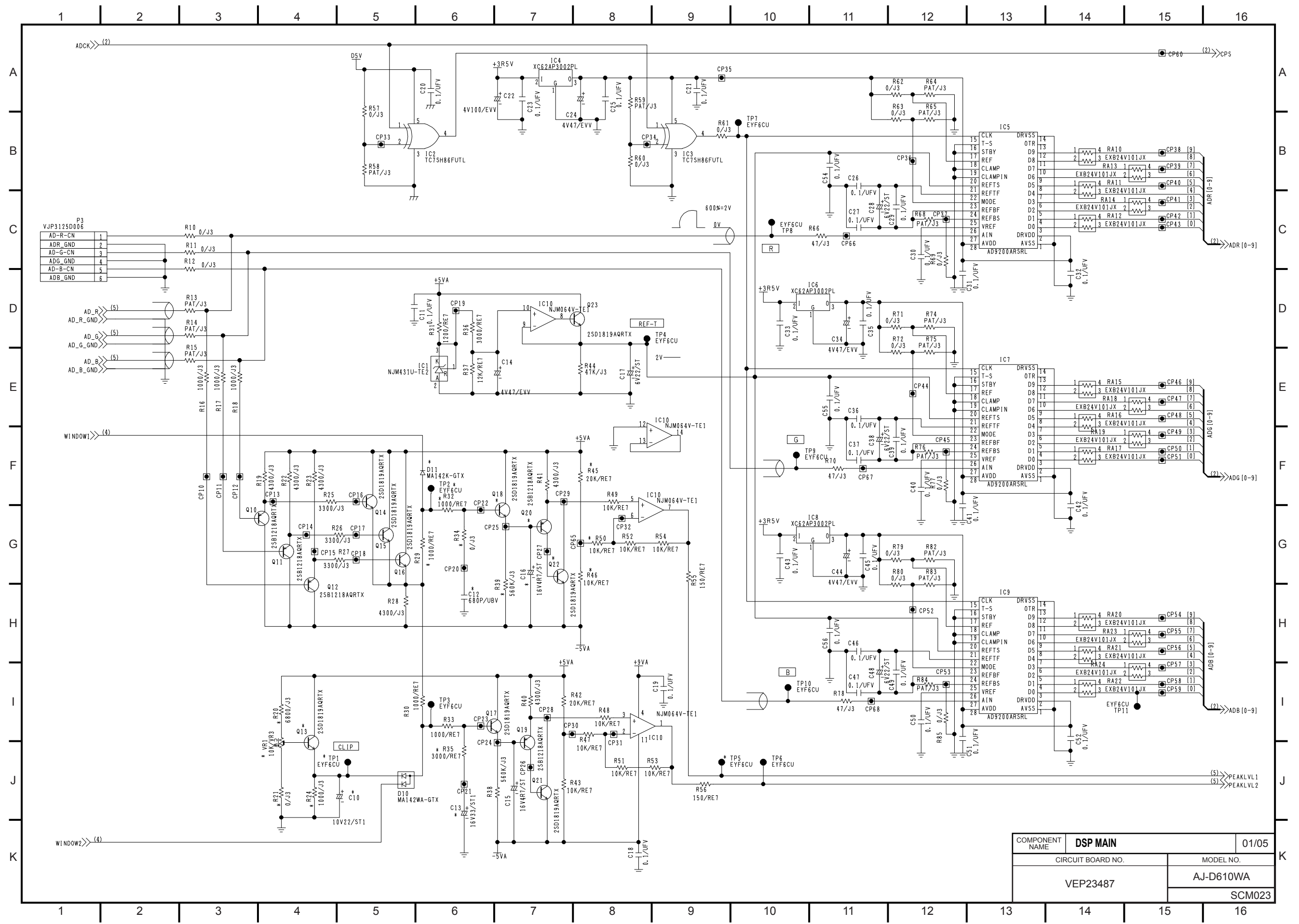
COMPONENT NAME		PREPROCESS	04/05
CIRCUIT BOARD NO.		MODEL NO.	
VEP23486		AJ-D610WA	
		SCM021	



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C106	33P/UV	33P/UV	33P/UV	68P/UV	68P/UV
C122	47P/UV	47P/UV	47P/UV	39P/UV	47P/UV
C125	PAT/UV	PAT/UV	PAT/UV	1P/UV	PAT/UV
C134	7P/UV	7P/UV	7P/UV	15P/UV	7P/UV
C166	27P/UV	27P/UV	27P/UV	33P/UV	27P/UV
C306	33P/UV	33P/UV	33P/UV	68P/UV	68P/UV
C322	47P/UV	47P/UV	47P/UV	39P/UV	47P/UV
C325	PAT/UV	PAT/UV	PAT/UV	1P/UV	PAT/UV
C334	7P/UV	7P/UV	7P/UV	15P/UV	7P/UV
C366	27P/UV	27P/UV	27P/UV	33P/UV	27P/UV
C506	33P/UV	33P/UV	33P/UV	68P/UV	68P/UV
C522	47P/UV	47P/UV	47P/UV	39P/UV	47P/UV
C525	PAT/UV	PAT/UV	PAT/UV	1P/UV	PAT/UV
C534	7P/UV	7P/UV	7P/UV	15P/UV	7P/UV
C566	27P/UV	27P/UV	27P/UV	33P/UV	27P/UV
C710	47P/UV	47P/UV	47P/UV	PAT/UV	47P/UV
C711	22P/UV	PAT/UV	PAT/UV	PAT/UV	PAT/UV
R111	390K/RE7	390K/RE7	390K/RE7	390K/RE7	300K/RE7
R113	68K/RE7	68K/RE7	68K/RE7	68K/RE7	13K/RE7
R135	240/RE7	240/RE7	240/RE7	330/RE7	240/RE7
R136	560/RE7	560/RE7	560/RE7	910/RE7	560/RE7
R157	910K/RE7	910K/RE7	910K/RE7	750K/RE7	910K/RE7
R168	10K/RE7	10K/RE7	10K/RE7	10K/RE7	3300/RE7
R196	470/RE7	620/RE7	620/RE7	620/RE7	620/RE7
R197	1800/RE7	3300/RE7	3300/RE7	3300/RE7	3300/RE7
R206	0/J3	33/RE7	33/RE7	33/RE7	33/RE7
R207	220/RE7	510/RE7	510/RE7	510/RE7	510/RE7
R212	3900/RE7	3900/RE7	3900/RE7	3900/RE7	4700/RE7
R231	750/RE7	750/RE7	750/RE7	620/RE7	750/RE7
R239	PAT/J3	PAT/J3	PAT/J3	0/J3	0/J3
R311	390K/RE7	390K/RE7	390K/RE7	390K/RE7	300K/RE7
R313	68K/RE7	68K/RE7	68K/RE7	68K/RE7	13K/RE7
R335	240/RE7	240/RE7	240/RE7	330/RE7	240/RE7
R336	560/RE7	560/RE7	560/RE7	910/RE7	560/RE7
R357	910K/RE7	910K/RE7	910K/RE7	750K/RE7	910K/RE7
R368	10K/RE7	10K/RE7	10K/RE7	10K/RE7	3300/RE7
R396	470/RE7	620/RE7	620/RE7	620/RE7	620/RE7
R397	1800/RE7	3300/RE7	3300/RE7	3300/RE7	3300/RE7
R406	0/J3	33/RE7	33/RE7	33/RE7	33/RE7
R407	220/RE7	510/RE7	510/RE7	510/RE7	510/RE7
R412	3900/RE7	3900/RE7	3900/RE7	3900/RE7	4700/RE7
R431	820/RE7	820/RE7	820/RE7	620/RE7	820/RE7
R439	PAT/J3	PAT/J3	PAT/J3	0/J3	0/J3
R511	390K/RE7	390K/RE7	390K/RE7	390K/RE7	300K/RE7
R513	68K/RE7	68K/RE7	68K/RE7	68K/RE7	13K/RE7
R535	240/RE7	240/RE7	240/RE7	330/RE7	240/RE7
R536	560/RE7	560/RE7	560/RE7	910/RE7	560/RE7
R557	910K/RE7	910K/RE7	910K/RE7	750K/RE7	910K/RE7
R568	10K/RE7	10K/RE7	10K/RE7	10K/RE7	3300/RE7
R596	470/RE7	620/RE7	620/RE7	620/RE7	620/RE7
R597	1800/RE7	3300/RE7	3300/RE7	3300/RE7	3300/RE7

\$REF\$	D810WA-T	D810WA-P	D810WA-E	D810A-T.P	D610WA-T.P.F
R606	0/J3	33/RE7	33/RE7	33/RE7	33/RE7
R607	220/RE7	510/RE7	510/RE7	510/RE7	510/RE7
R612	3900/RE7	3900/RE7	3900/RE7	3900/RE7	4700/RE7
R631	820/RE7	820/RE7	820/RE7	620/RE7	820/RE7
R639	PAT/J3	PAT/J3	PAT/J3	0/J3	0/J3
R715	30/RE7	100/RE7	100/RE7	100/RE7	100/RE7
R716	120/RE7	270/RE7	270/RE7	270/RE7	270/RE7
R717	0/J3	20/RE7	20/RE7	20/RE7	20/RE7
R718	1100/RE7	910/RE7	910/RE7	910/RE7	910/RE7
R719	0/J3	30/RE7	30/RE7	30/RE7	30/RE7
R720	820/RE7	750/RE7	750/RE7	750/RE7	750/RE7
R728	PAT/J3	PAT/J3	PAT/J3	PAT/J3	PAT/J3
R729	PAT/J3	PAT/J3	PAT/J3	100/J3	PAT/J3
FL101	VLF1418-T	VLF1418-T	VLF1418-T	VLF1440-T	VLF1418-T
FL301	VLF1418-T	VLF1418-T	VLF1418-T	VLF1440-T	VLF1418-T
FL501	VLF1418-T	VLF1418-T	VLF1418-T	VLF1440-T	VLF1418-T
VR105	2K/VR3	2K/VR3	2K/VR3	2K/VR3	500/VR3
VR305	2K/VR3	2K/VR3	2K/VR3	2K/VR3	500/VR3
VR505	2K/VR3	2K/VR3	2K/VR3	2K/VR3	500/VR3
J1	ON	ON	ON	OFF	ON

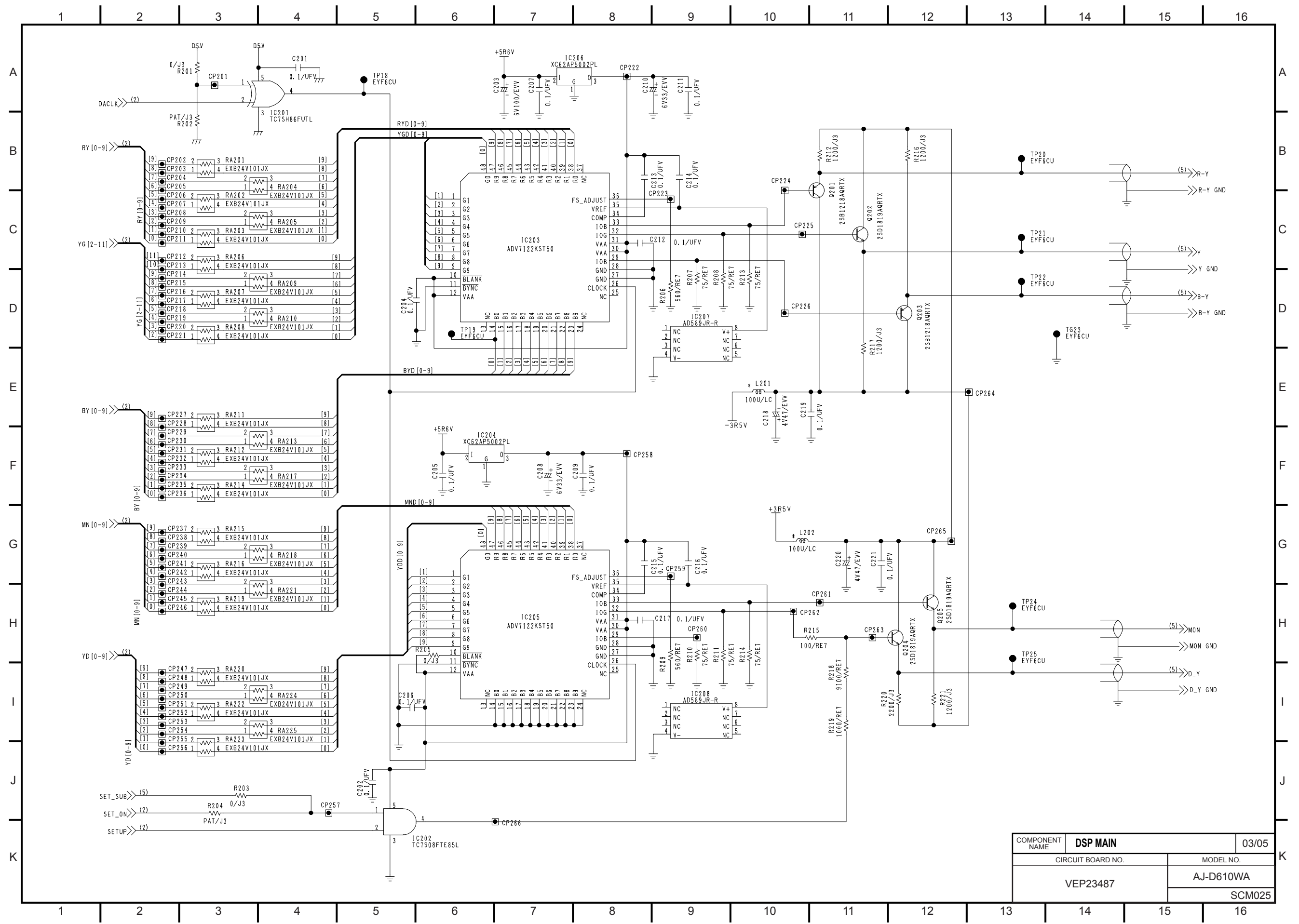
COMPONENT NAME	PREPROCESS	05/05
CIRCUIT BOARD NO.		MODEL NO.
VEP23486		AJ-D610WA
		SCM022



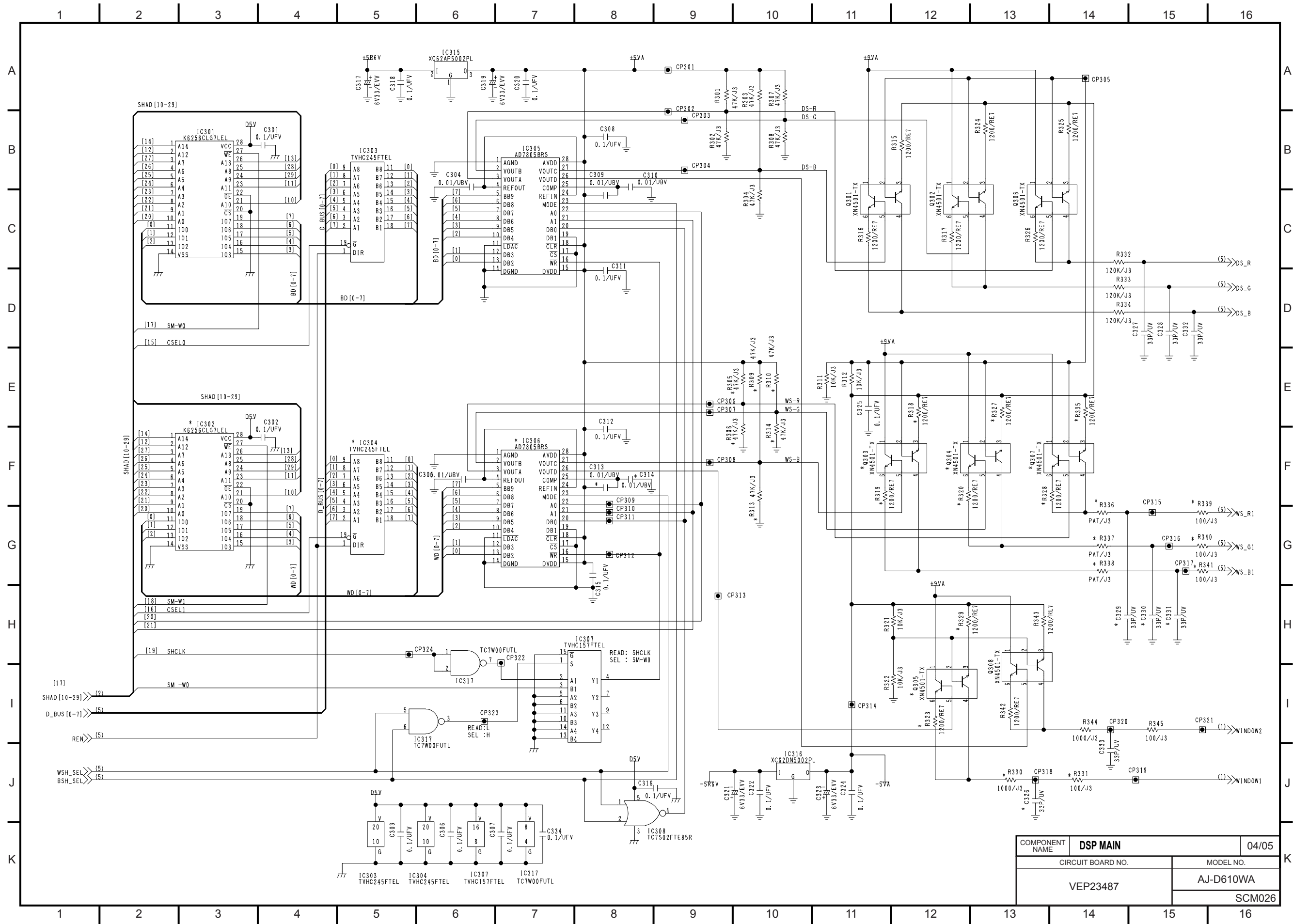
COMPONENT NAME	DSP MAIN		01/05
	CIRCUIT BOARD NO.		MODEL NO.
VEP23487		AJ-D610WA	
		SCM023	





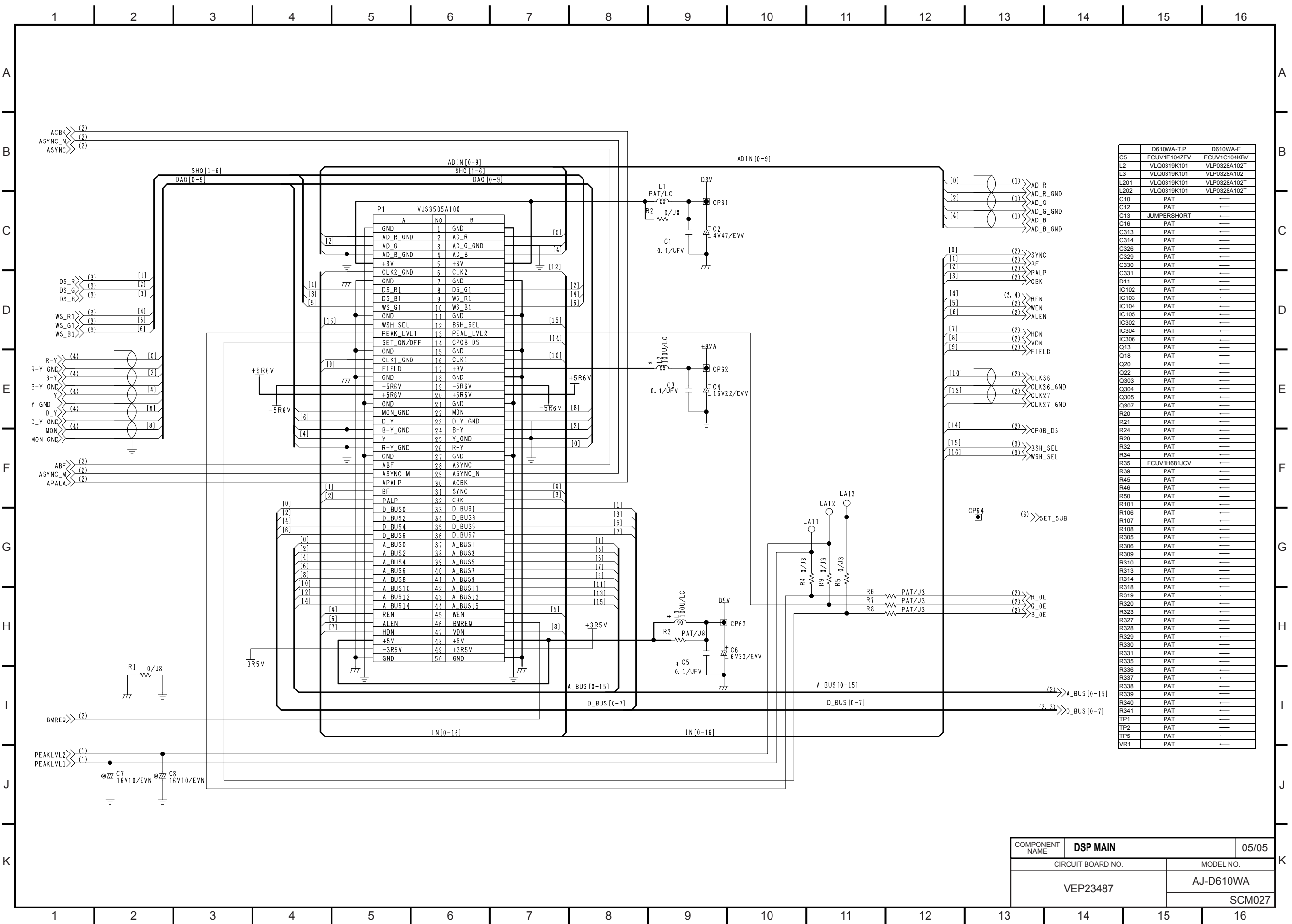


COMPONENT NAME	DSP MAIN		03/05
	CIRCUIT BOARD NO.		
	VEP23487	MODEL NO.	
		AJ-D610WA	
		SCM025	

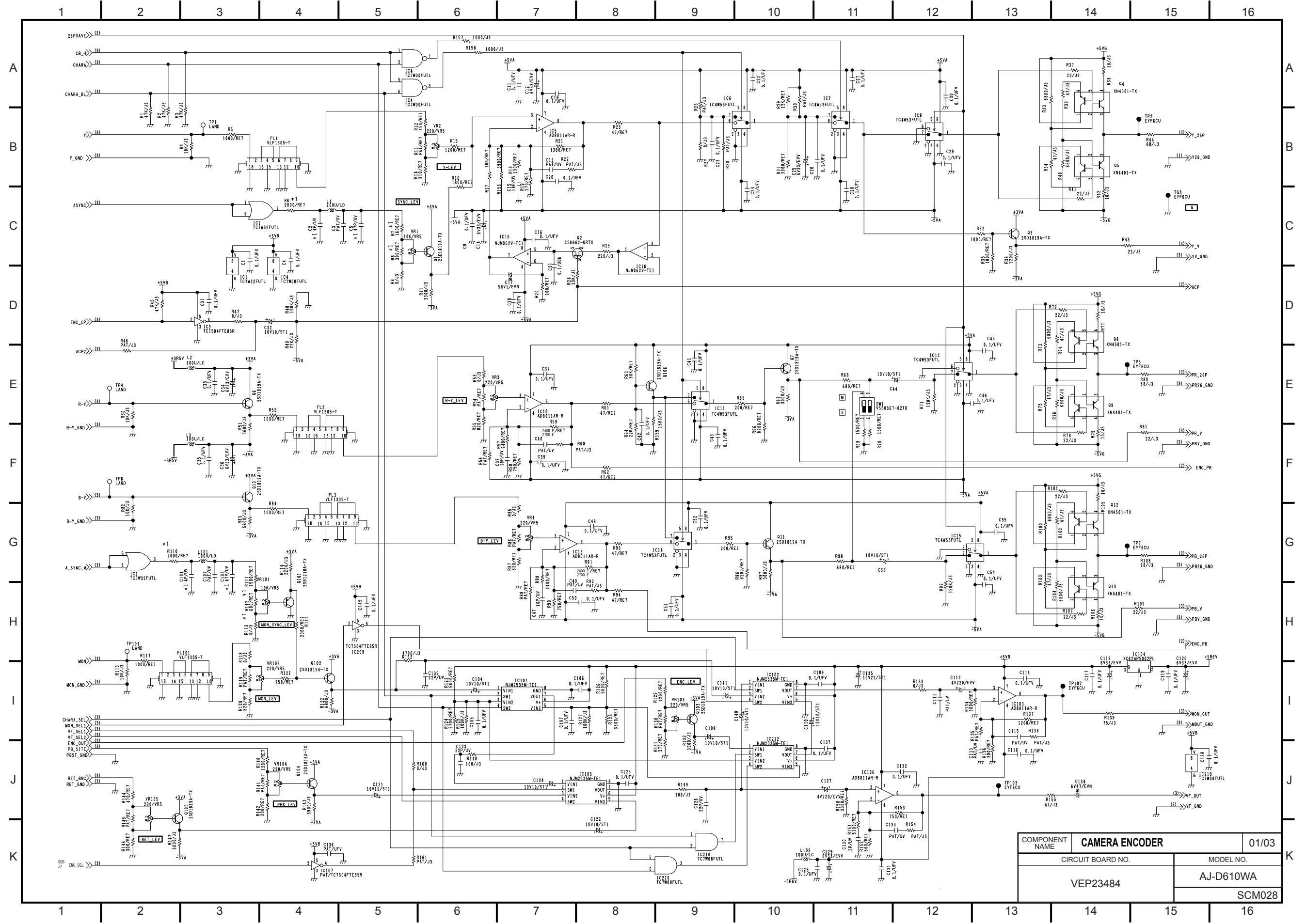


COMPONENT NAME	DSP MAIN	04/05
	CIRCUIT BOARD NO.	MODEL NO.
VEP23487		AJ-D610WA
SCM026		

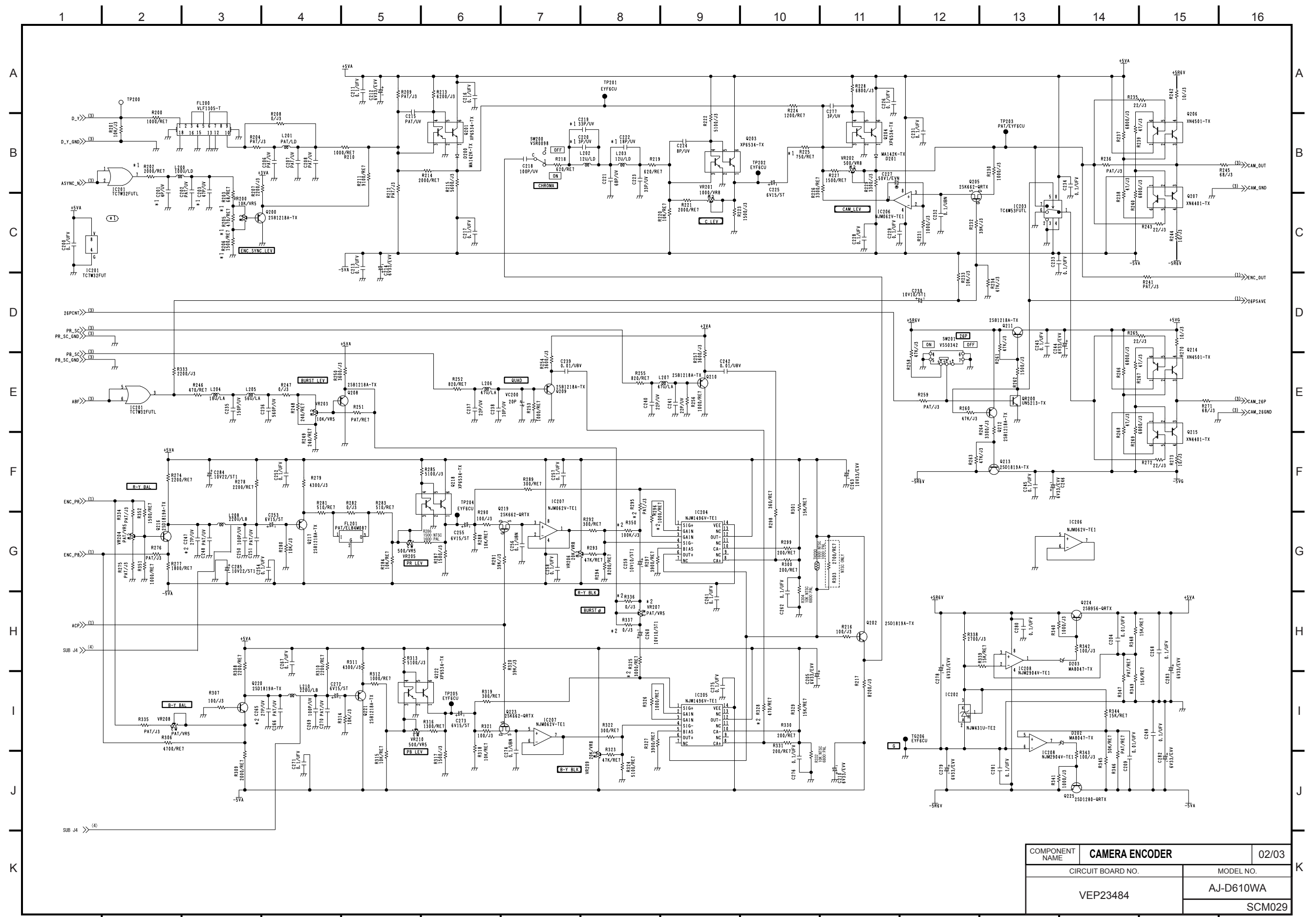




COMPONENT NAME	DSP MAIN		05/05
CIRCUIT BOARD NO.		MODEL NO.	
VEP23487		AJ-D610WA	
		SCM027	



COMPONENT NAME	CAMERA ENCODER		01/03
CIRCUIT BOARD NO.		MODEL NO.	
VEP23484		AJ-D610WA	
		SCM028	

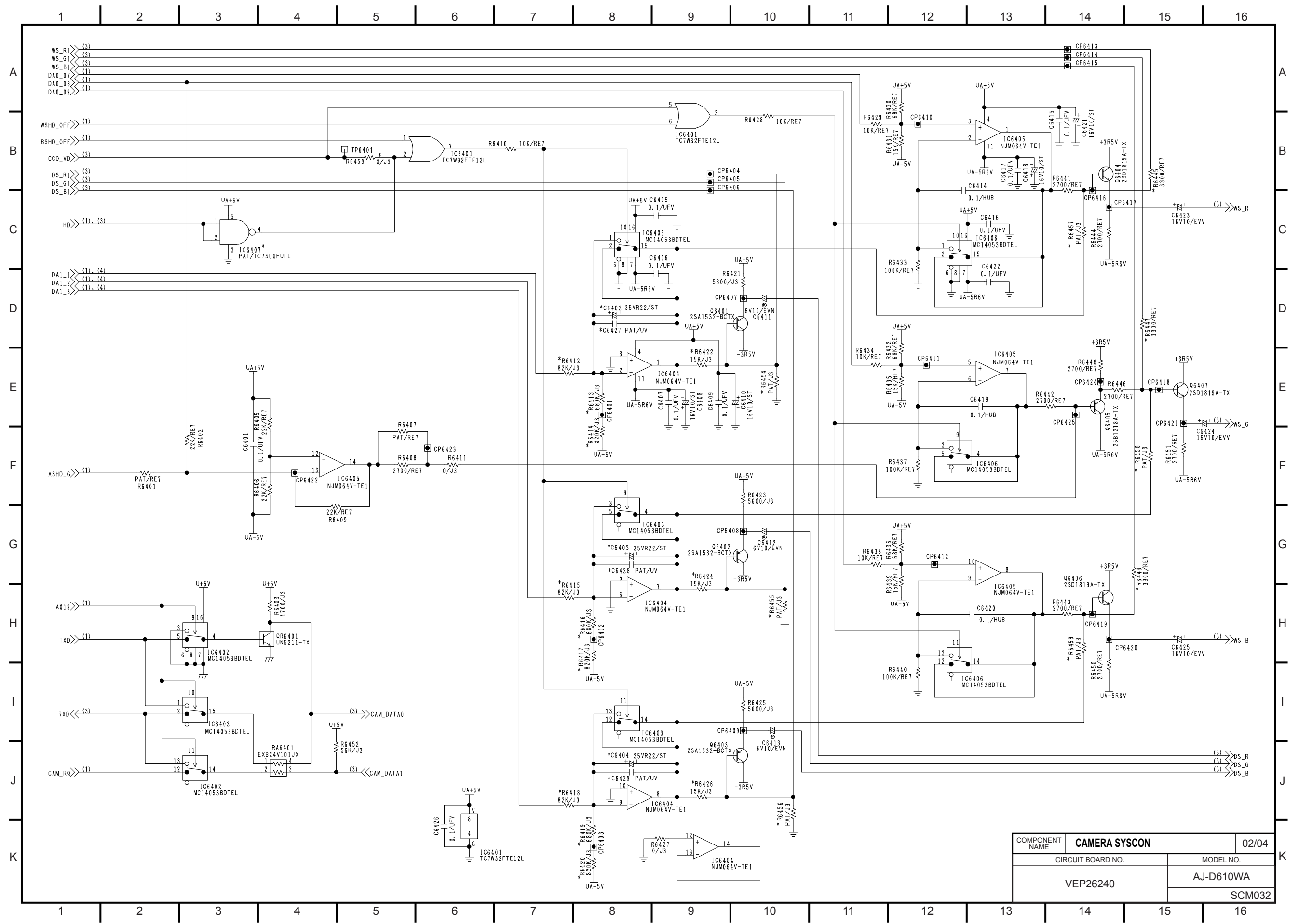


COMPONENT NAME	CAMERA ENCODER		02/03
	CIRCUIT BOARD NO.		MODEL NO.
	VEP23484		AJ-D610WA
			SCM029



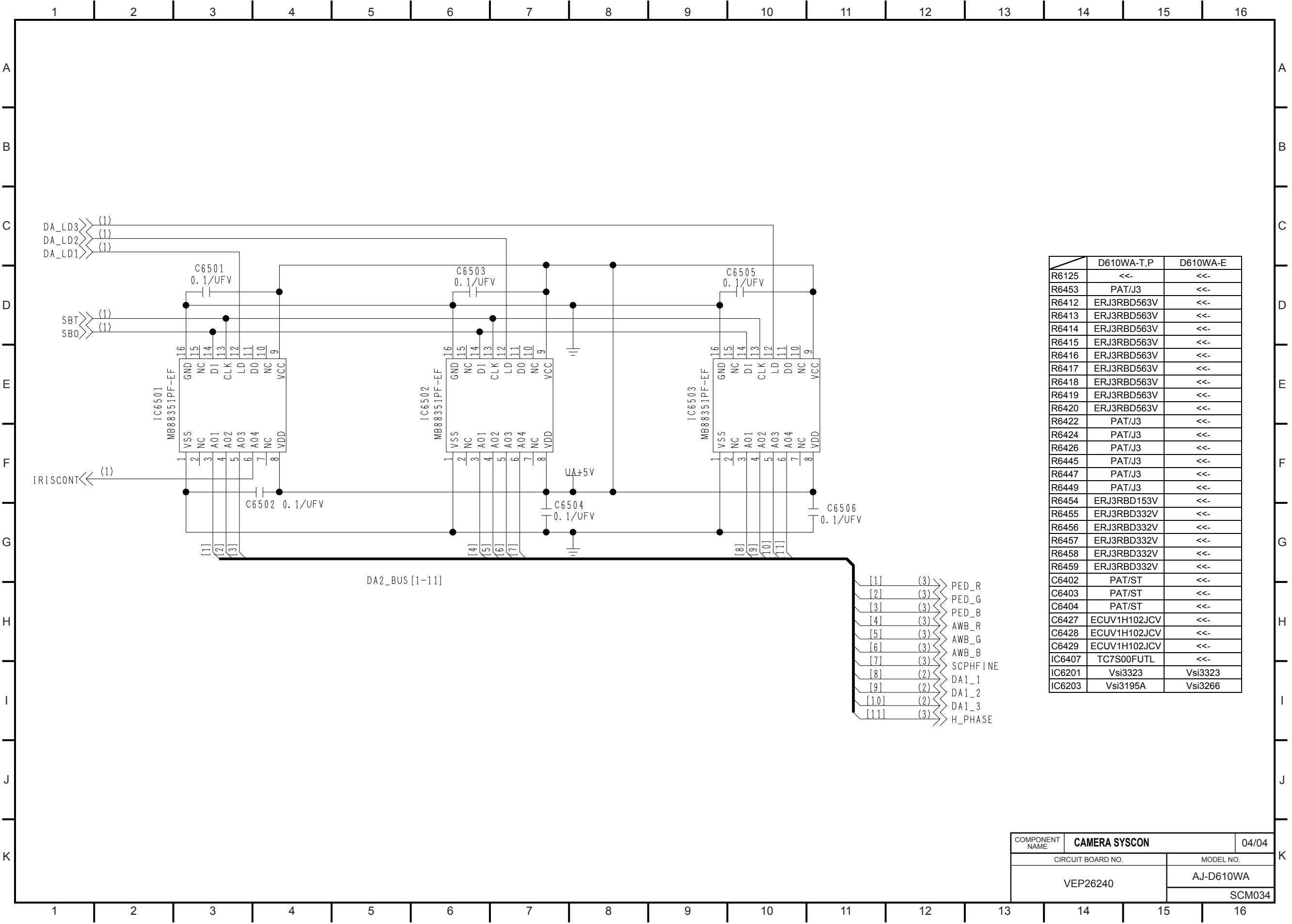






COMPONENT NAME	CAMERA SYSCON		02/04
	CIRCUIT BOARD NO.		MODEL NO.
VEP26240		AJ-D610WA	
		SCM032	

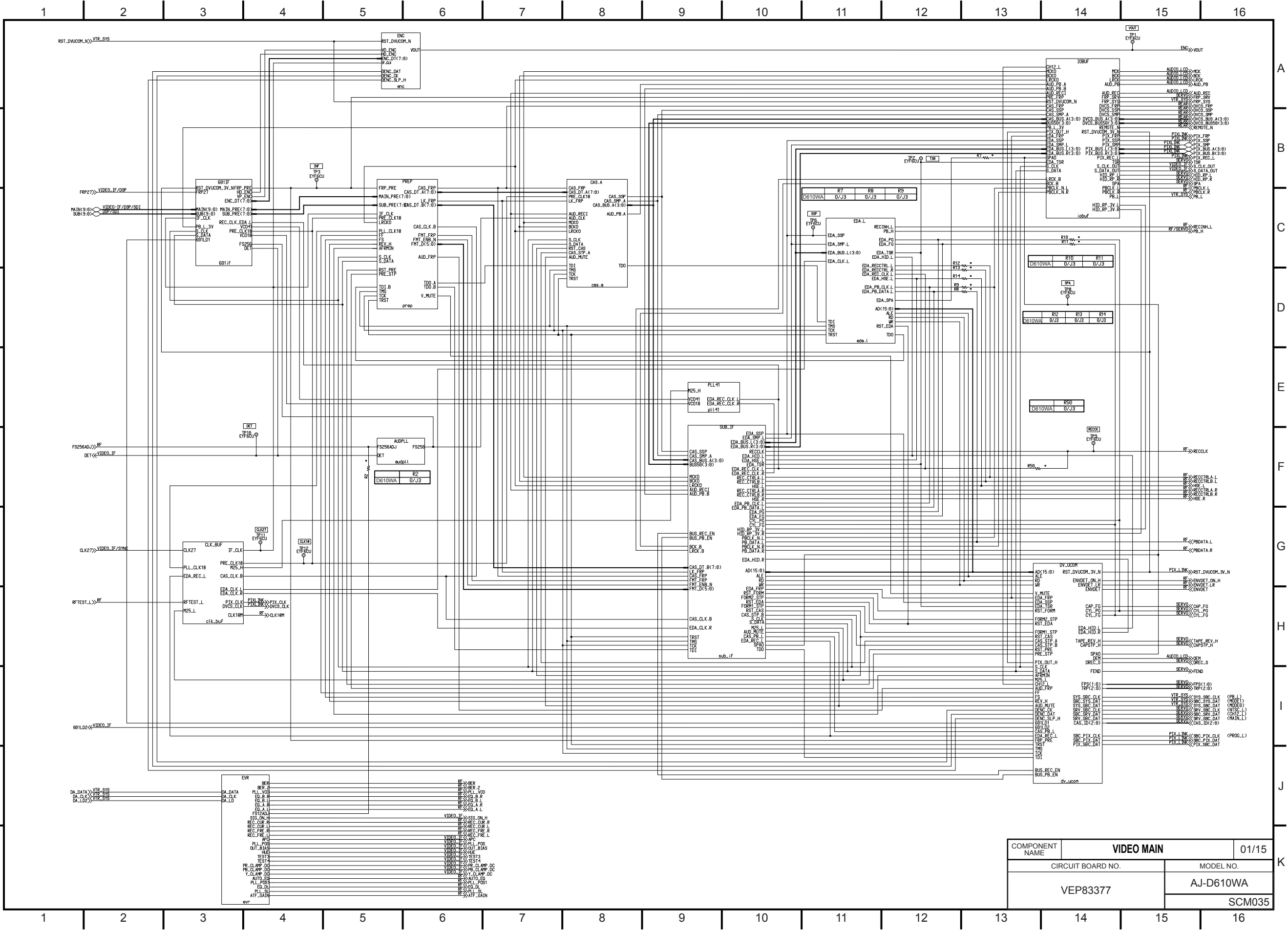




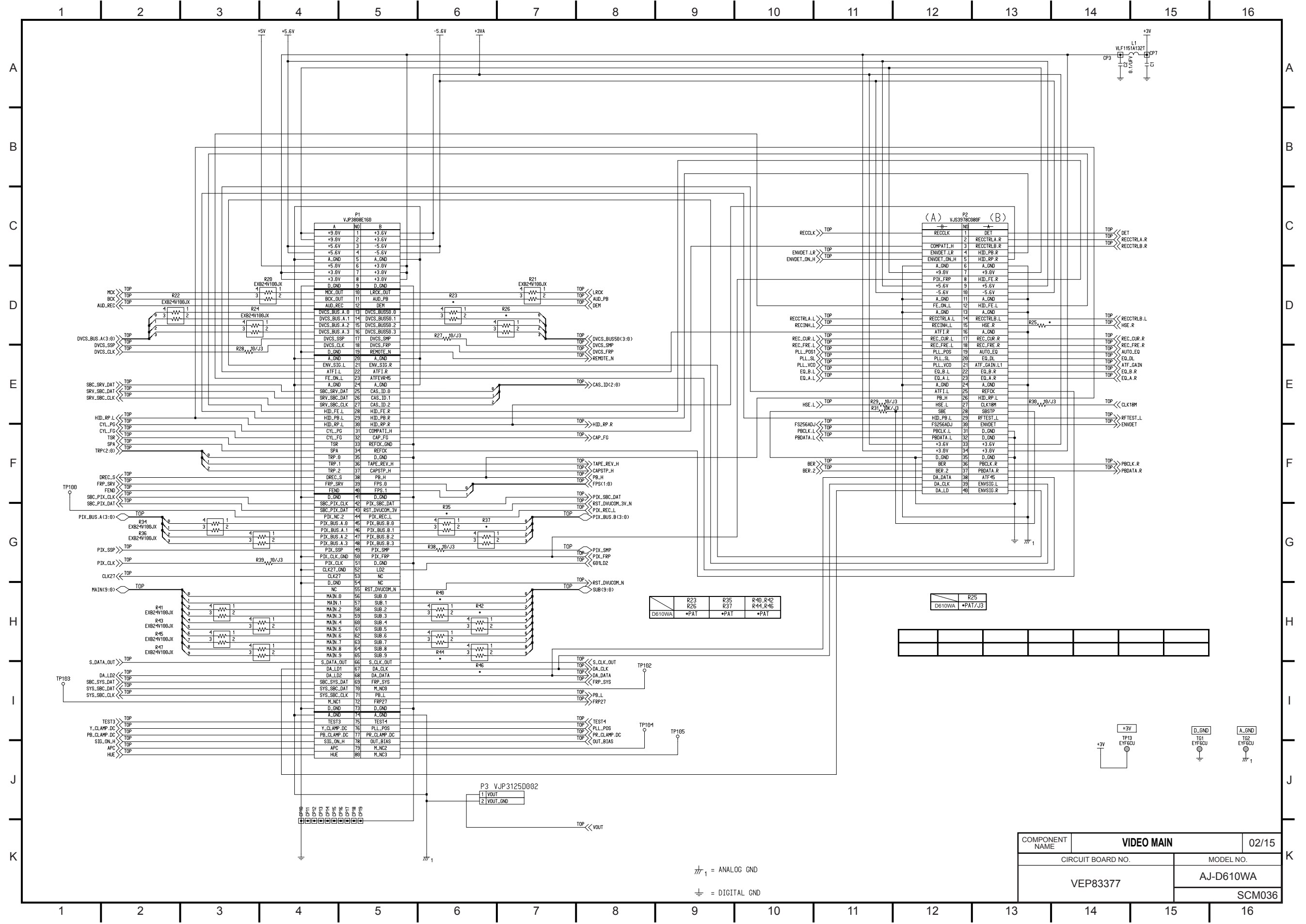
	D610WA-T,P	D610WA-E
R6125	<<-	<<-
R6453	PAT/J3	<<-
R6412	ERJ3RBD563V	<<-
R6413	ERJ3RBD563V	<<-
R6414	ERJ3RBD563V	<<-
R6415	ERJ3RBD563V	<<-
R6416	ERJ3RBD563V	<<-
R6417	ERJ3RBD563V	<<-
R6418	ERJ3RBD563V	<<-
R6419	ERJ3RBD563V	<<-
R6420	ERJ3RBD563V	<<-
R6422	PAT/J3	<<-
R6424	PAT/J3	<<-
R6426	PAT/J3	<<-
R6445	PAT/J3	<<-
R6447	PAT/J3	<<-
R6449	PAT/J3	<<-
R6454	ERJ3RBD153V	<<-
R6455	ERJ3RBD332V	<<-
R6456	ERJ3RBD332V	<<-
R6457	ERJ3RBD332V	<<-
R6458	ERJ3RBD332V	<<-
R6459	ERJ3RBD332V	<<-
C6402	PAT/ST	<<-
C6403	PAT/ST	<<-
C6404	PAT/ST	<<-
C6427	ECUV1H102JCV	<<-
C6428	ECUV1H102JCV	<<-
C6429	ECUV1H102JCV	<<-
IC6407	TC7S00FUTL	<<-
IC6201	Vsi3323	Vsi3323
IC6203	Vsi3195A	Vsi3266

COMPONENT NAME	CAMERA SYSCON		04/04
CIRCUIT BOARD NO.		MODEL NO.	
VEP26240		AJ-D610WA	
		SCM034	





COMPONENT NAME	VIDEO MAIN		01/15
	CIRCUIT BOARD NO.		MODEL NO.
VEP83377		AJ-D610WA	
		SCM035	

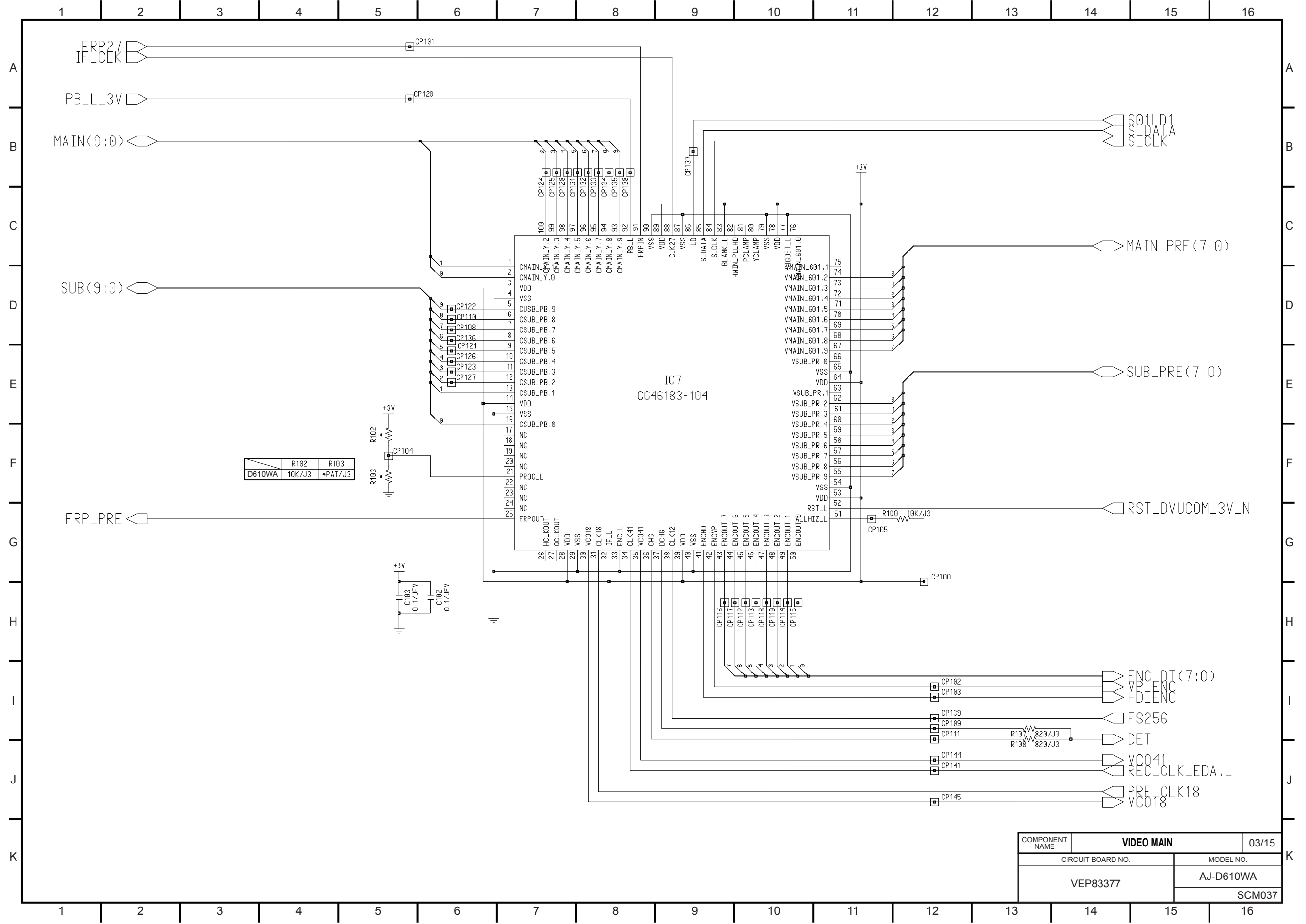


	R23	R35	R40,R42
	R26	R37	R44,R46
D610WA	*PAT	*PAT	*PAT

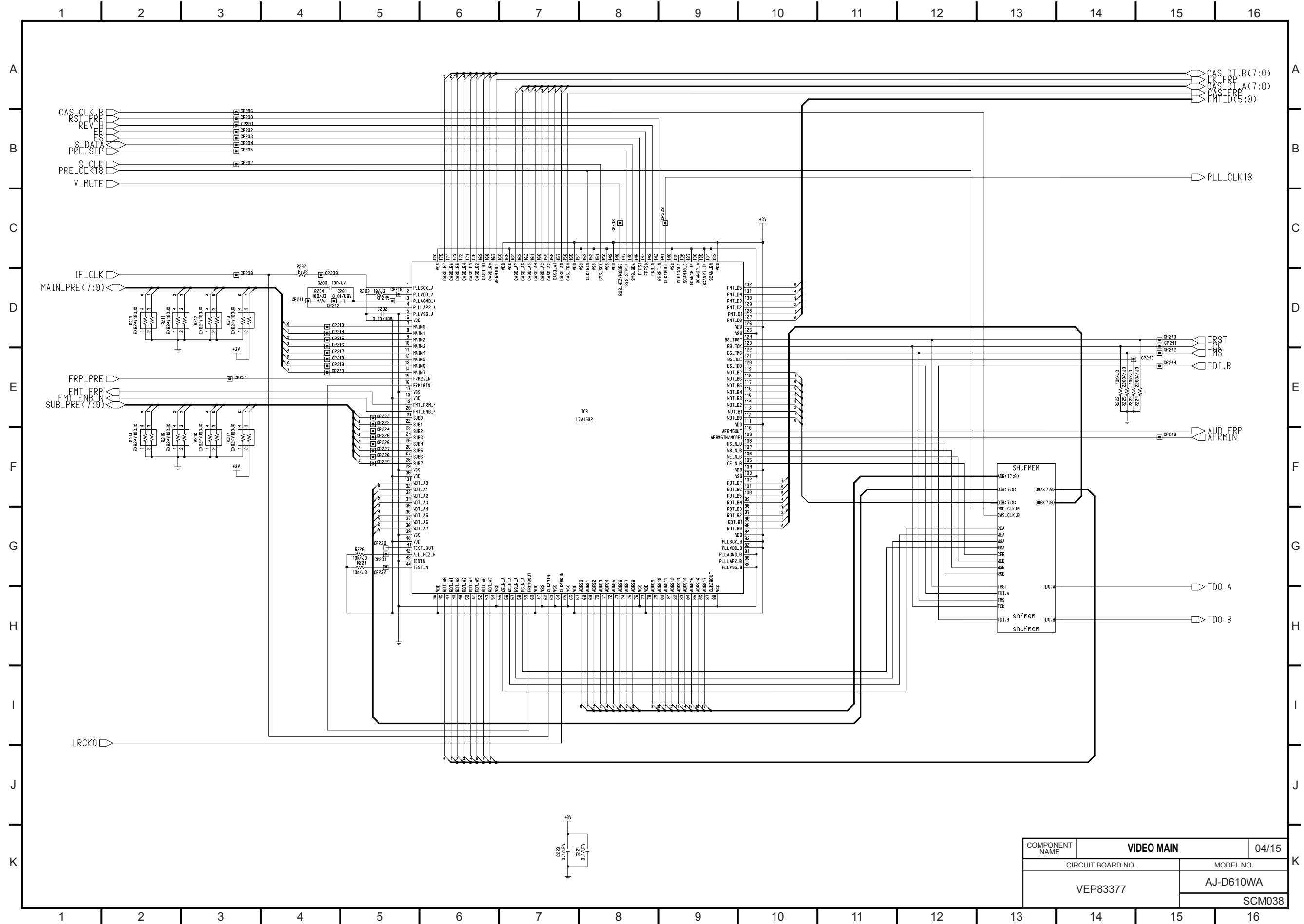
	R25
D610WA	*PAT/J3

COMPONENT NAME	VIDEO MAIN		02/15
	CIRCUIT BOARD NO.		MODEL NO.
VEP83377		AJ-D610WA	
		SCM036	

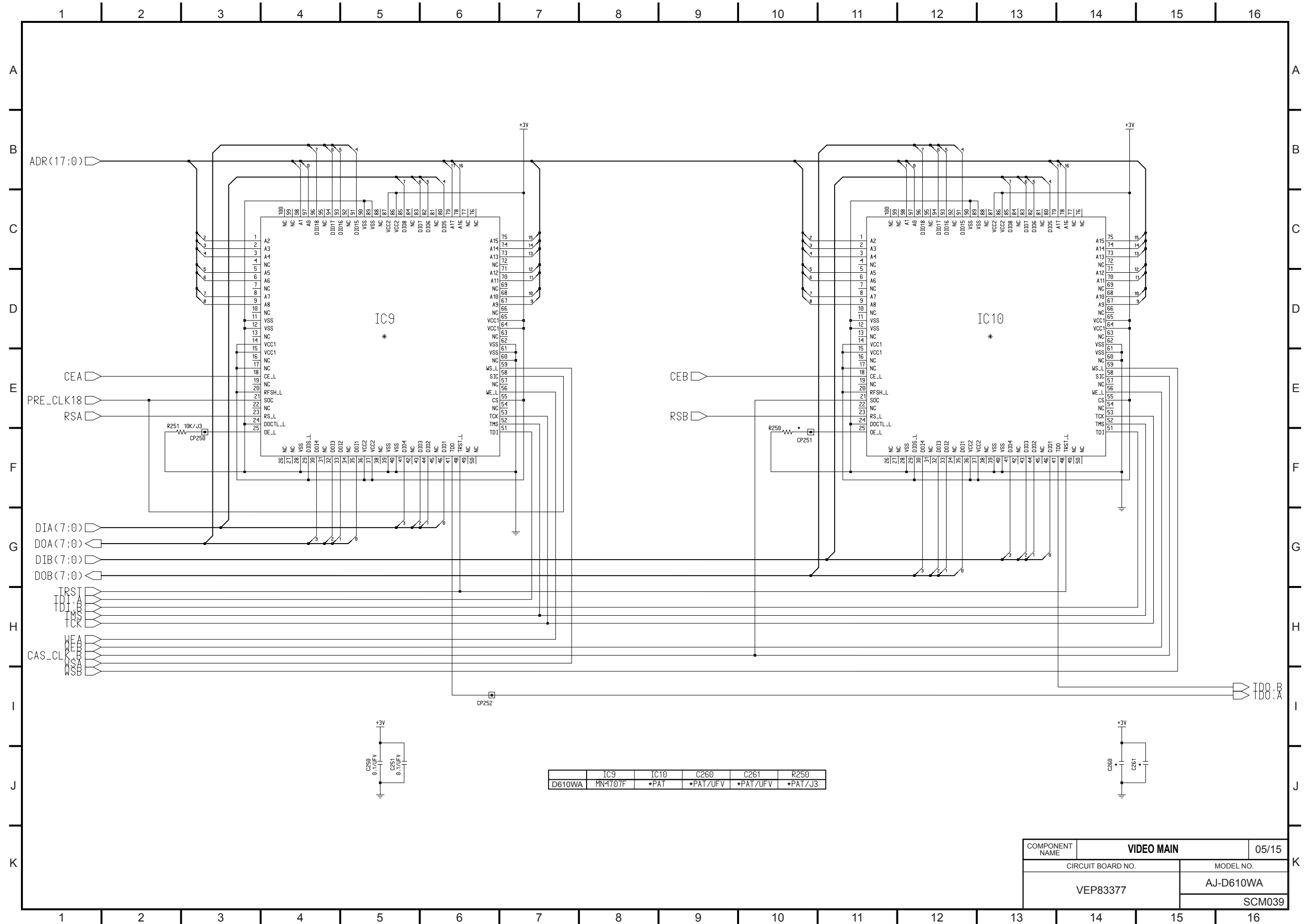
⏏<sub>1</sub> = ANALOG GND  
⏏ = DIGITAL GND

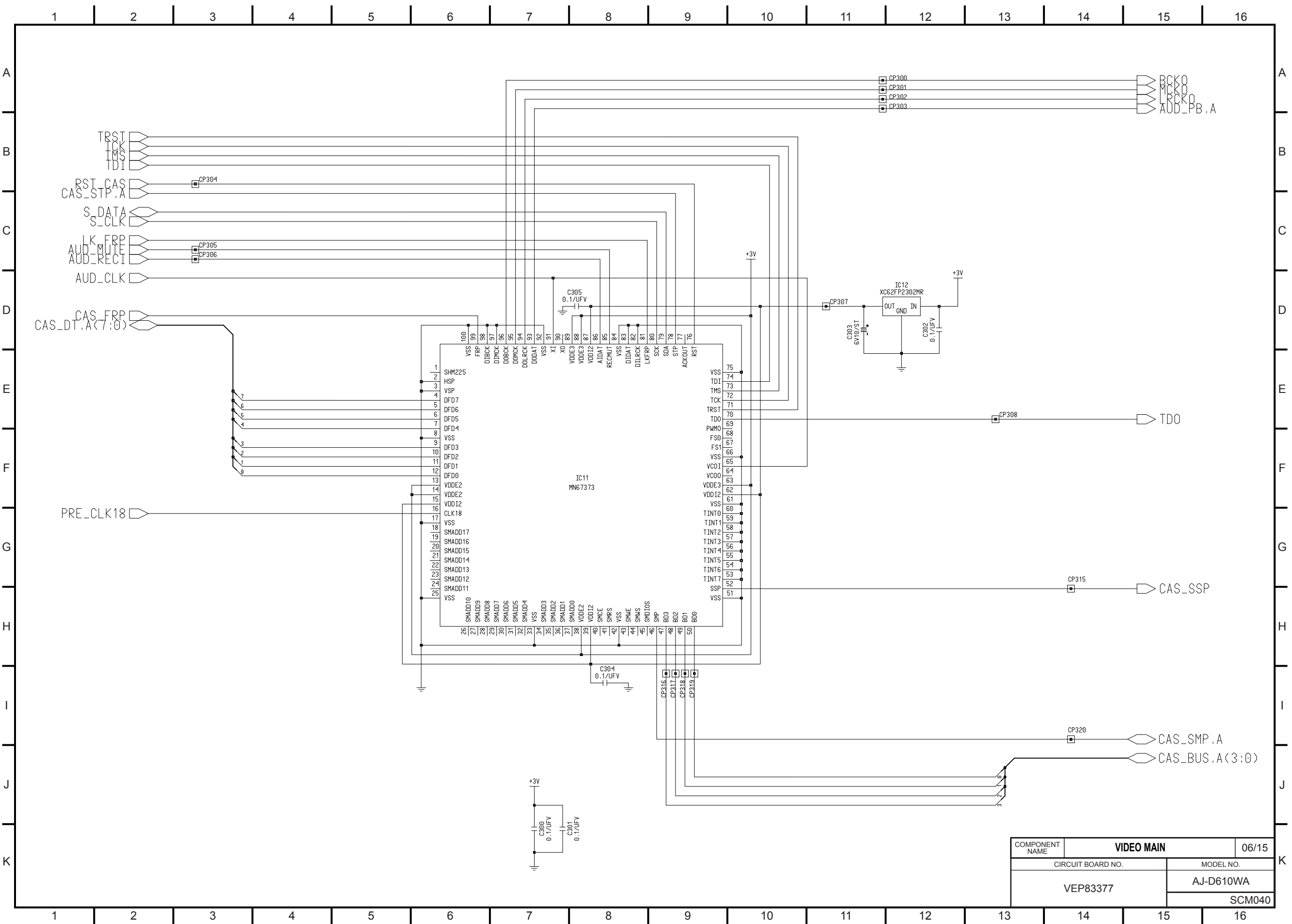


COMPONENT NAME	VIDEO MAIN		03/15
	CIRCUIT BOARD NO.		MODEL NO.
	VEP83377		AJ-D610WA
			SCM037

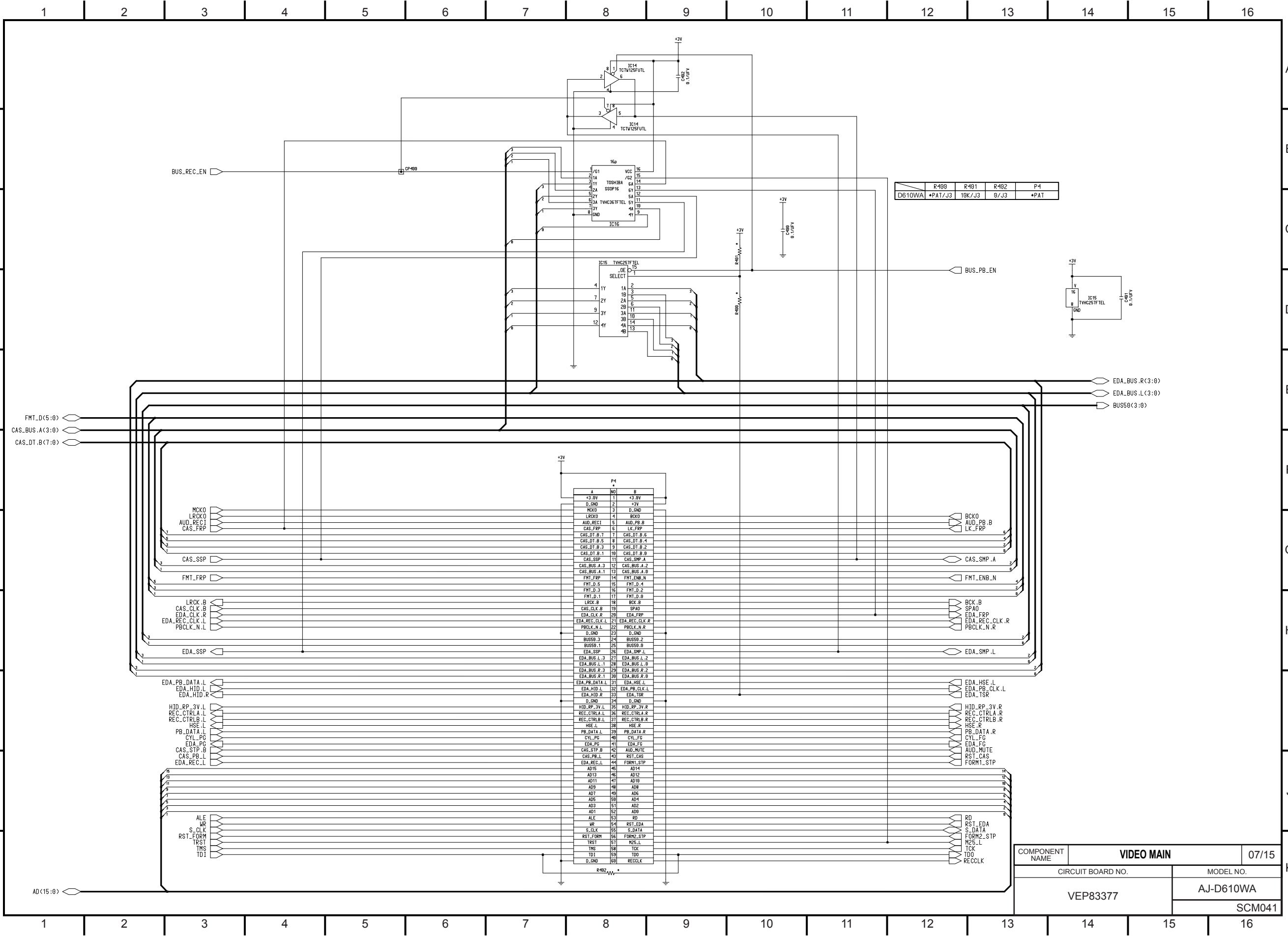


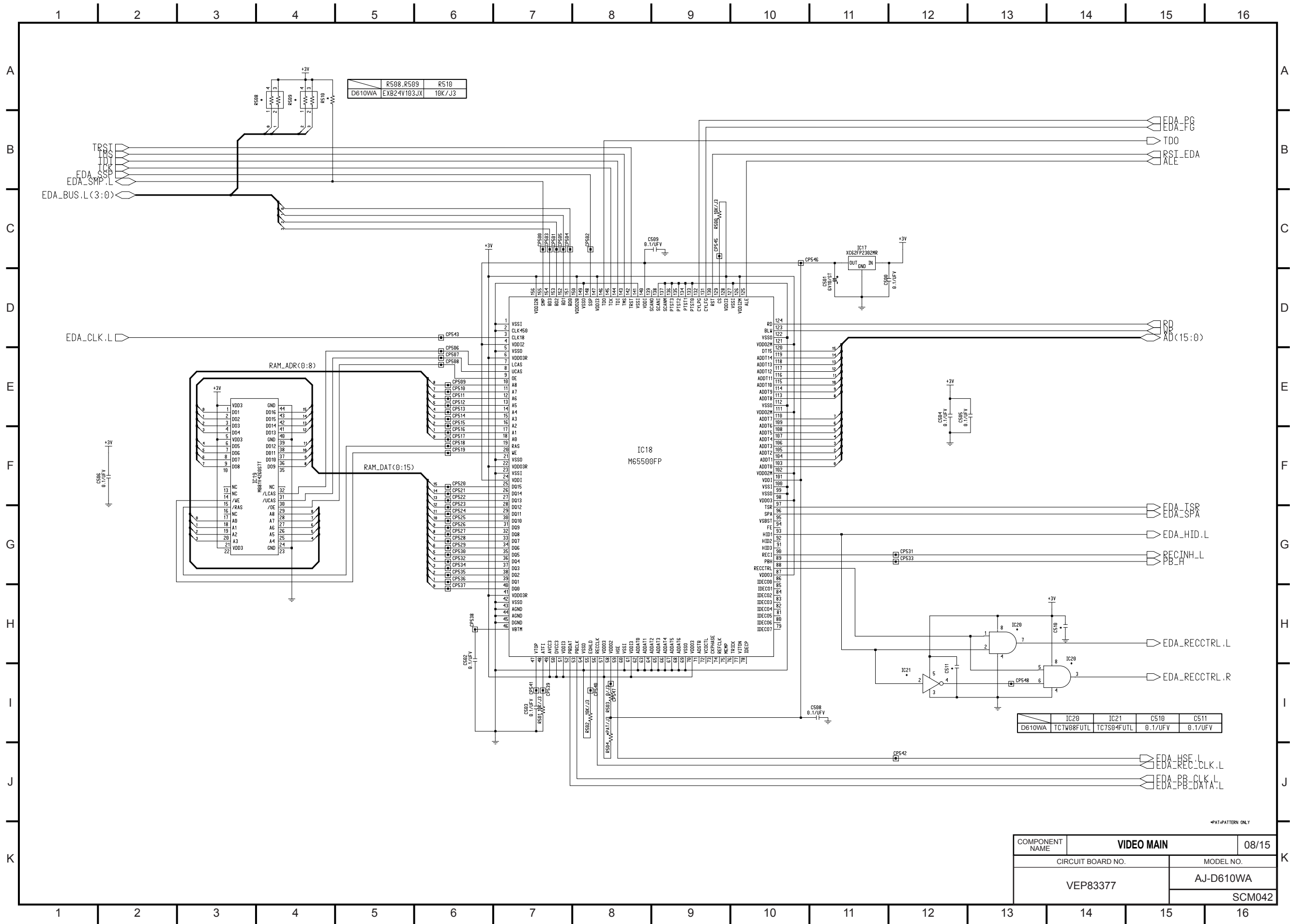
COMPONENT NAME	VIDEO MAIN	04/15
CIRCUIT BOARD NO.		MODEL NO.
VEP83377		AJ-D610WA
		SCM038



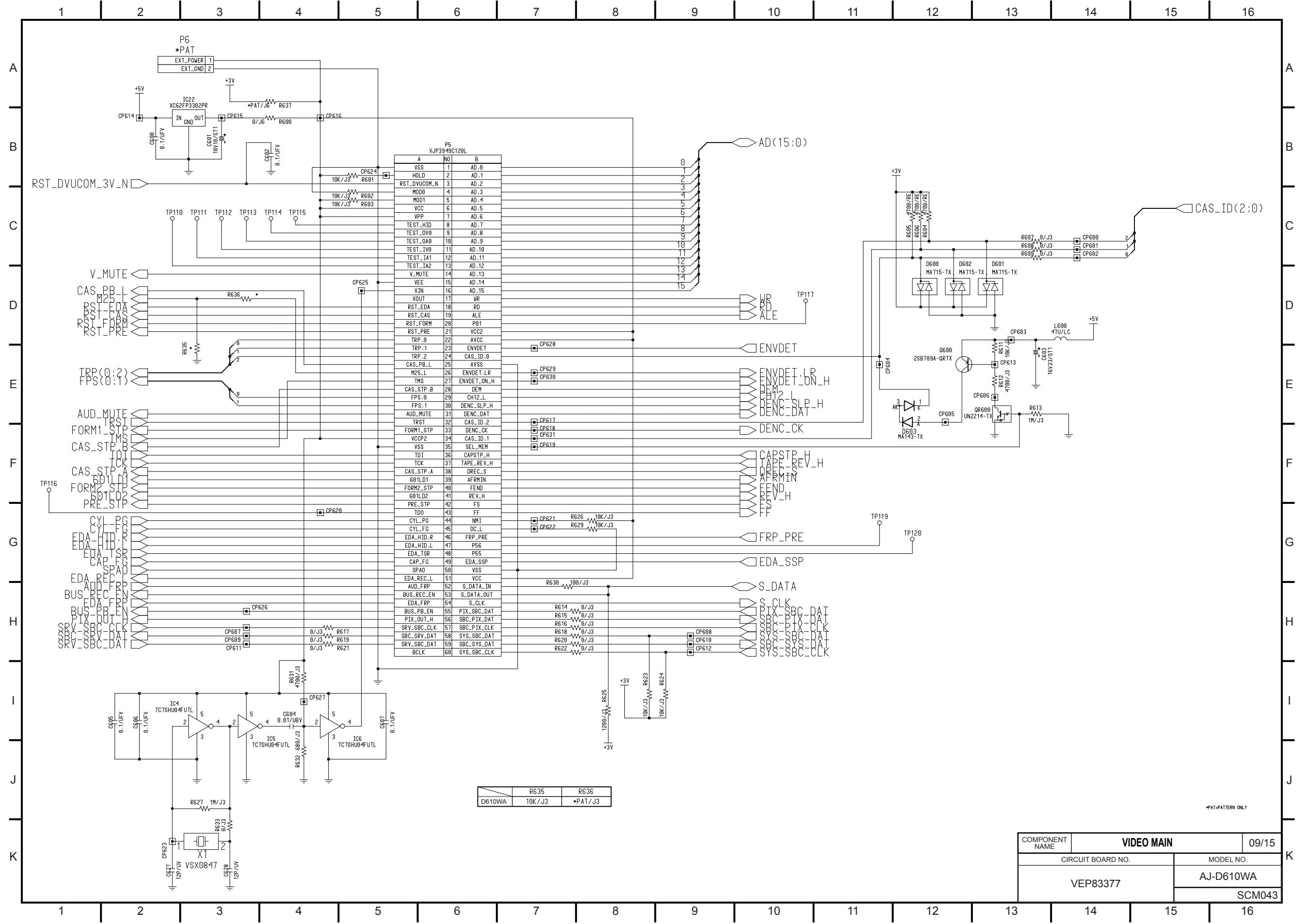


COMPONENT NAME	VIDEO MAIN		06/15
	CIRCUIT BOARD NO.		MODEL NO.
	VEP83377		AJ-D610WA
			SCM040

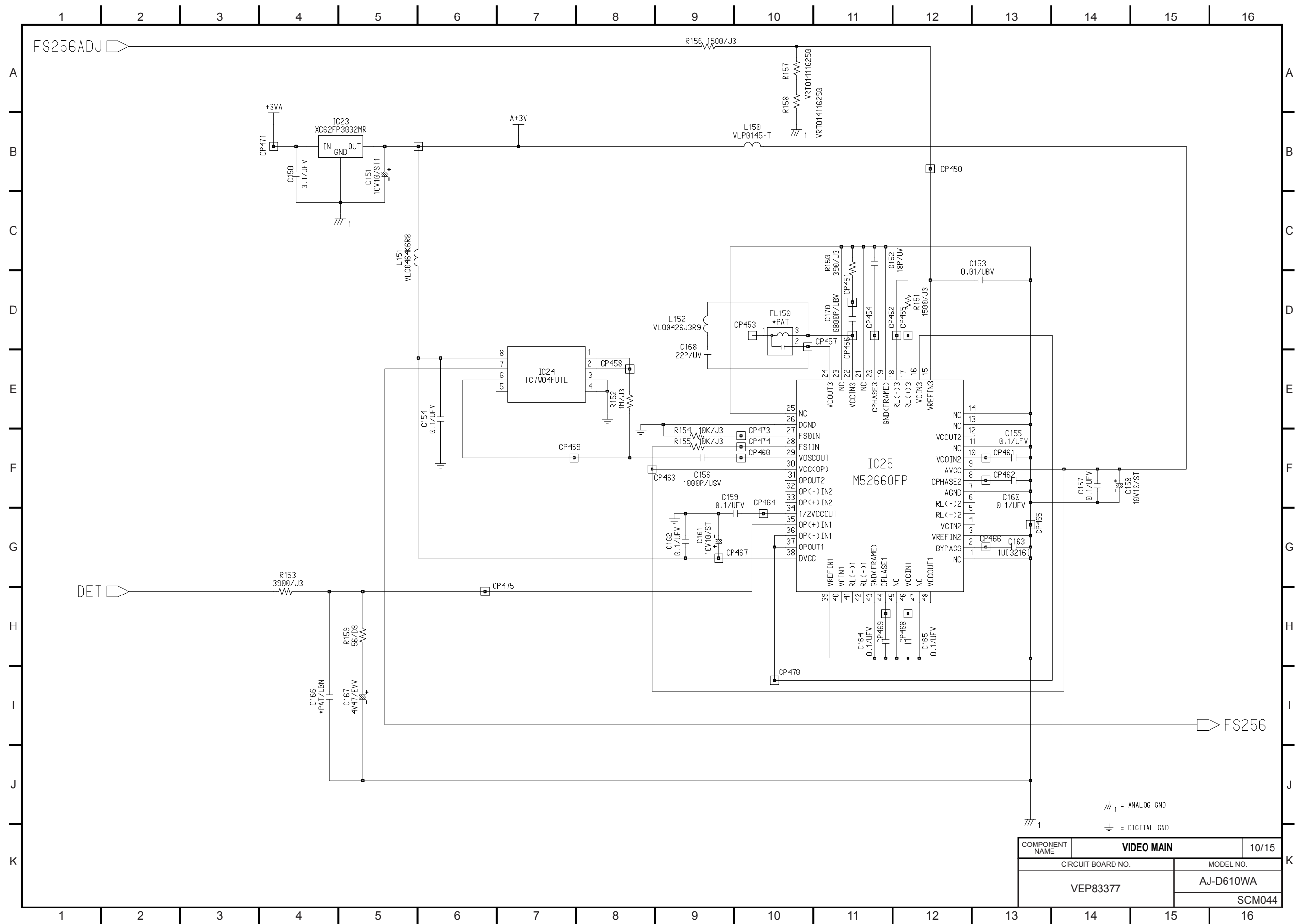




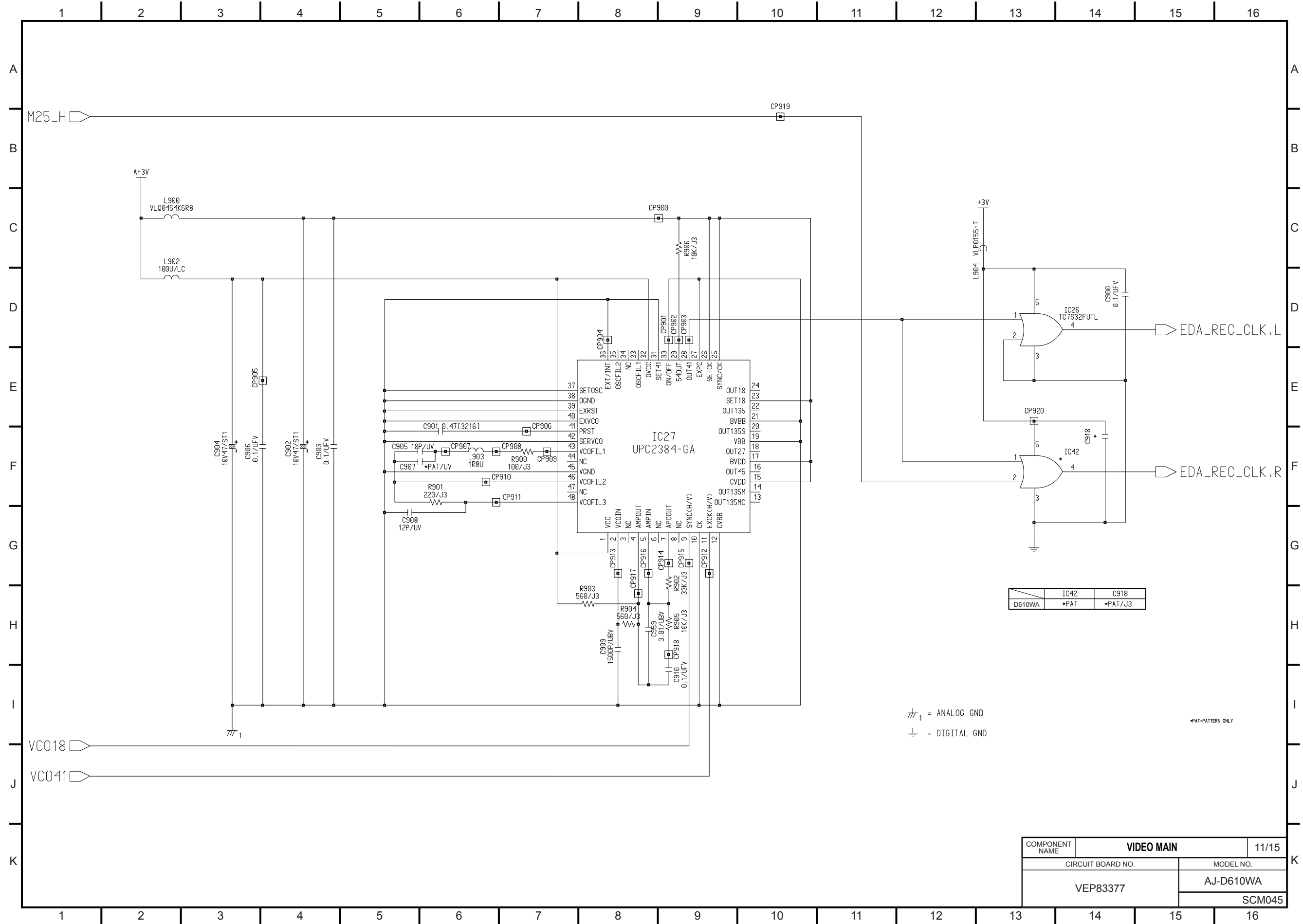


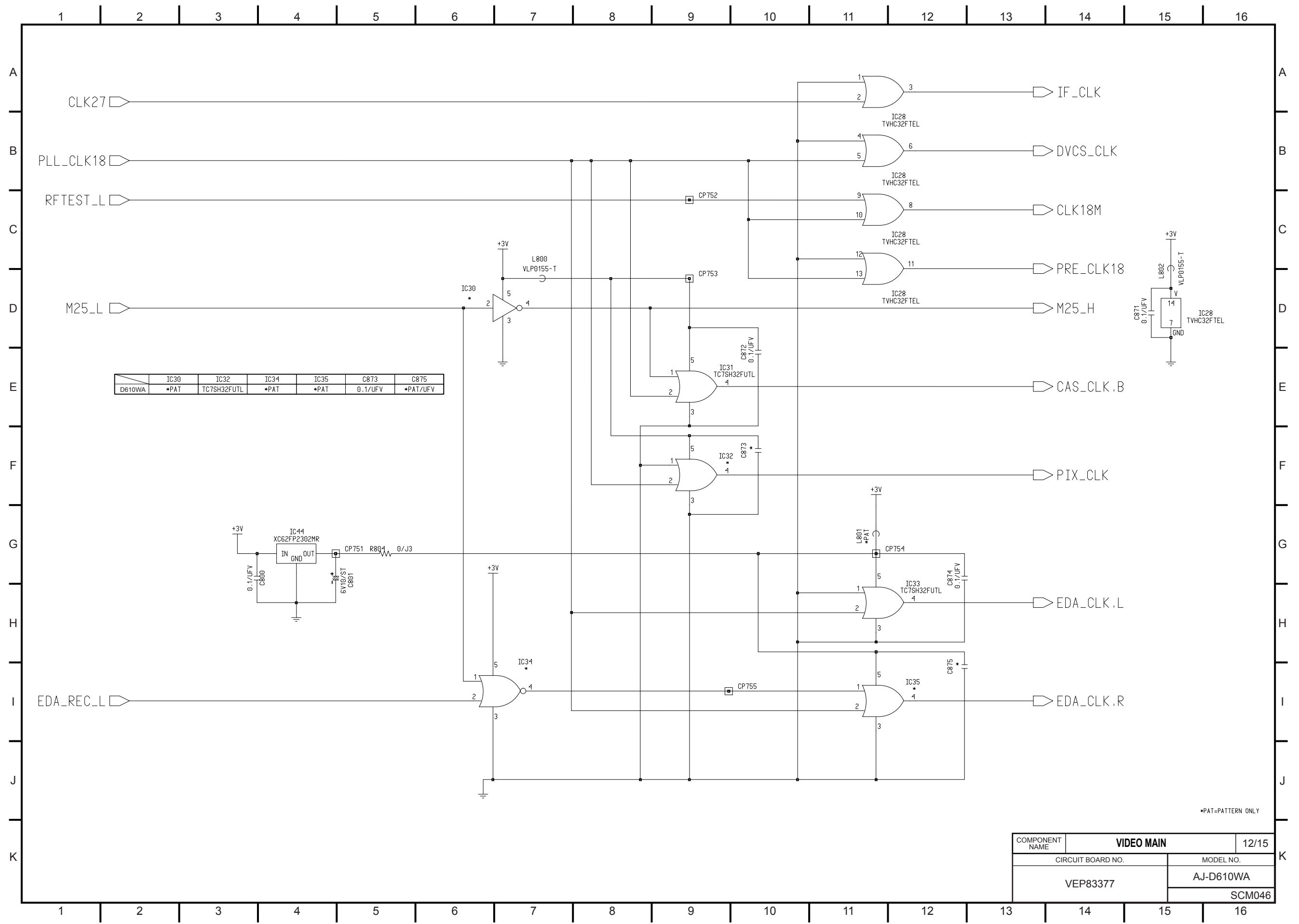


COMPONENT NAME	VIDEO MAIN		09/15
	CIRCUIT BOARD NO.		MODEL NO.
	VEP83377		AJ-D610WA
			SCM043

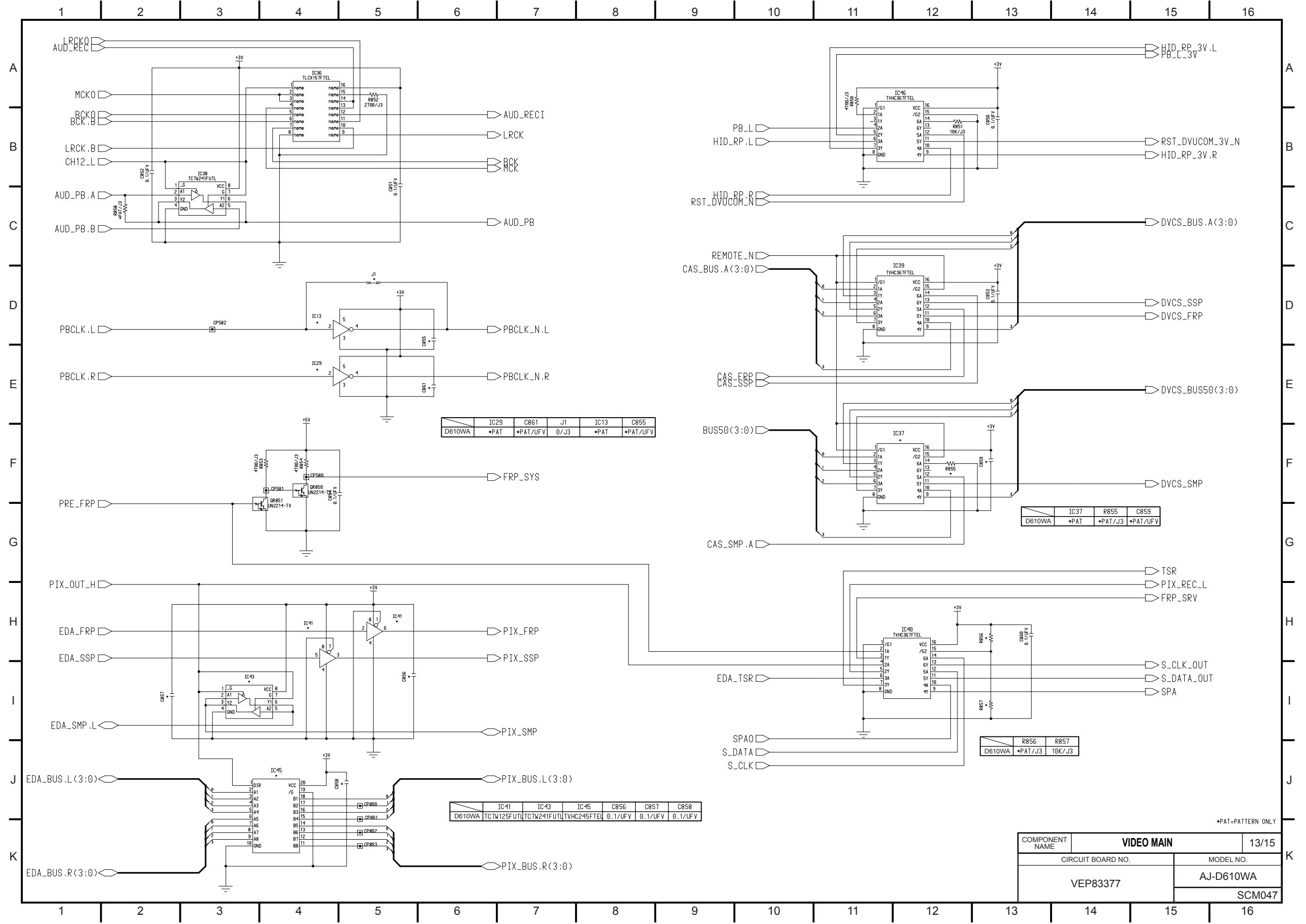


COMPONENT NAME		VIDEO MAIN	10/15
CIRCUIT BOARD NO.		MODEL NO.	
VEP83377		AJ-D610WA	
		SCM044	





\*PAT=PATTERN ONLY



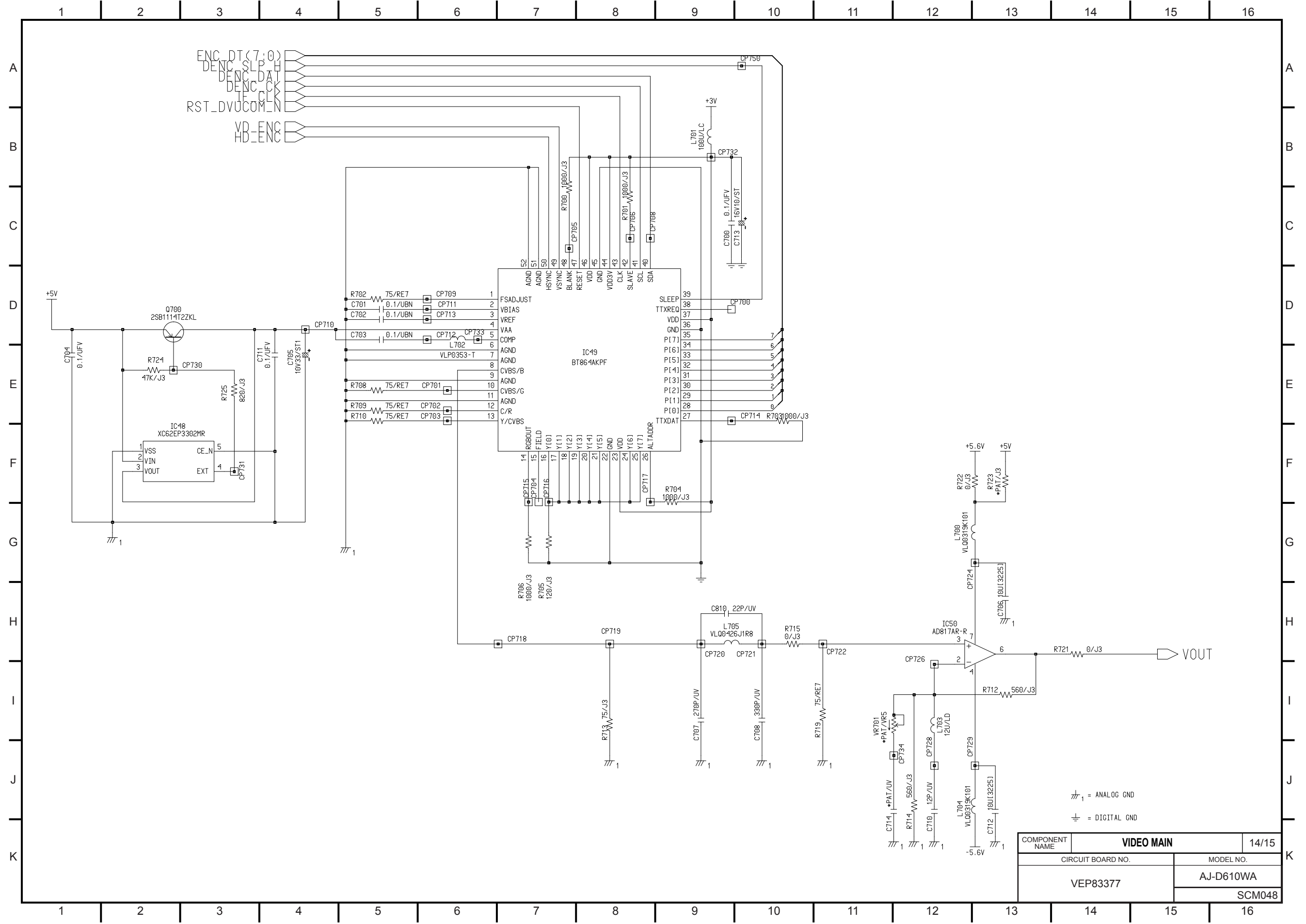
	IC29	C861	J1	IC13	C855
D610WA	*PAT	*PAT/UFV	0/J3	*PAT	*PAT/UFV

	IC37	R855	C859
D610WA	*PAT	*PAT/J3	*PAT/UFV

	IC41	IC43	IC45	C856	C857	C858
D610WA	TC7W125FUTL	TC7W241FUTL	TVHC245FTEL	0.1/UFV	0.1/UFV	0.1/UFV

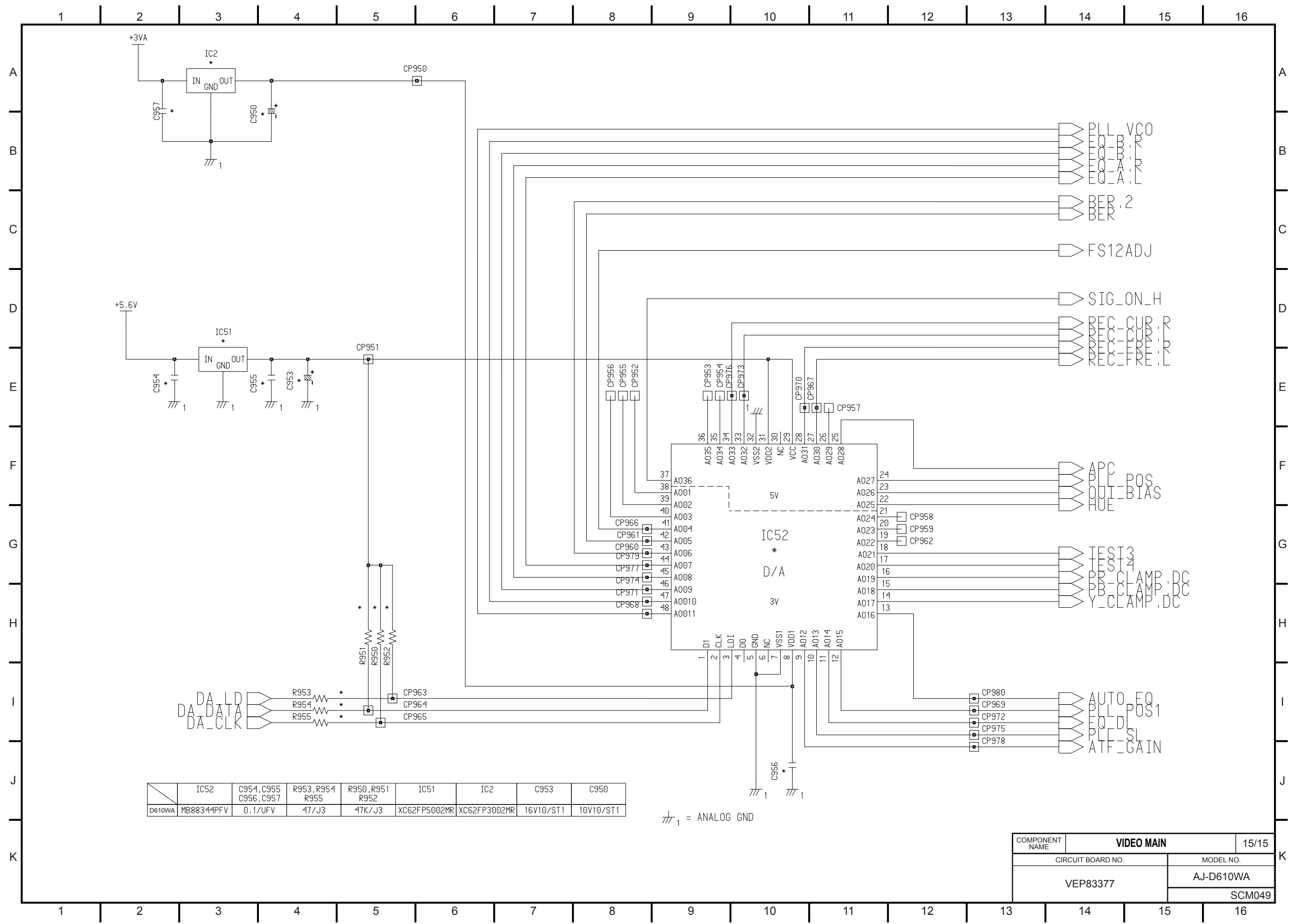
	R856	R857
D610WA	*PAT/J3	10K/J3

COMPONENT NAME		VIDEO MAIN	13/15
CIRCUIT BOARD NO.		MODEL NO.	
VEP83377		AJ-D610WA	
		SCM047	



⏏<sub>1</sub> = ANALOG GND  
⏏ = DIGITAL GND

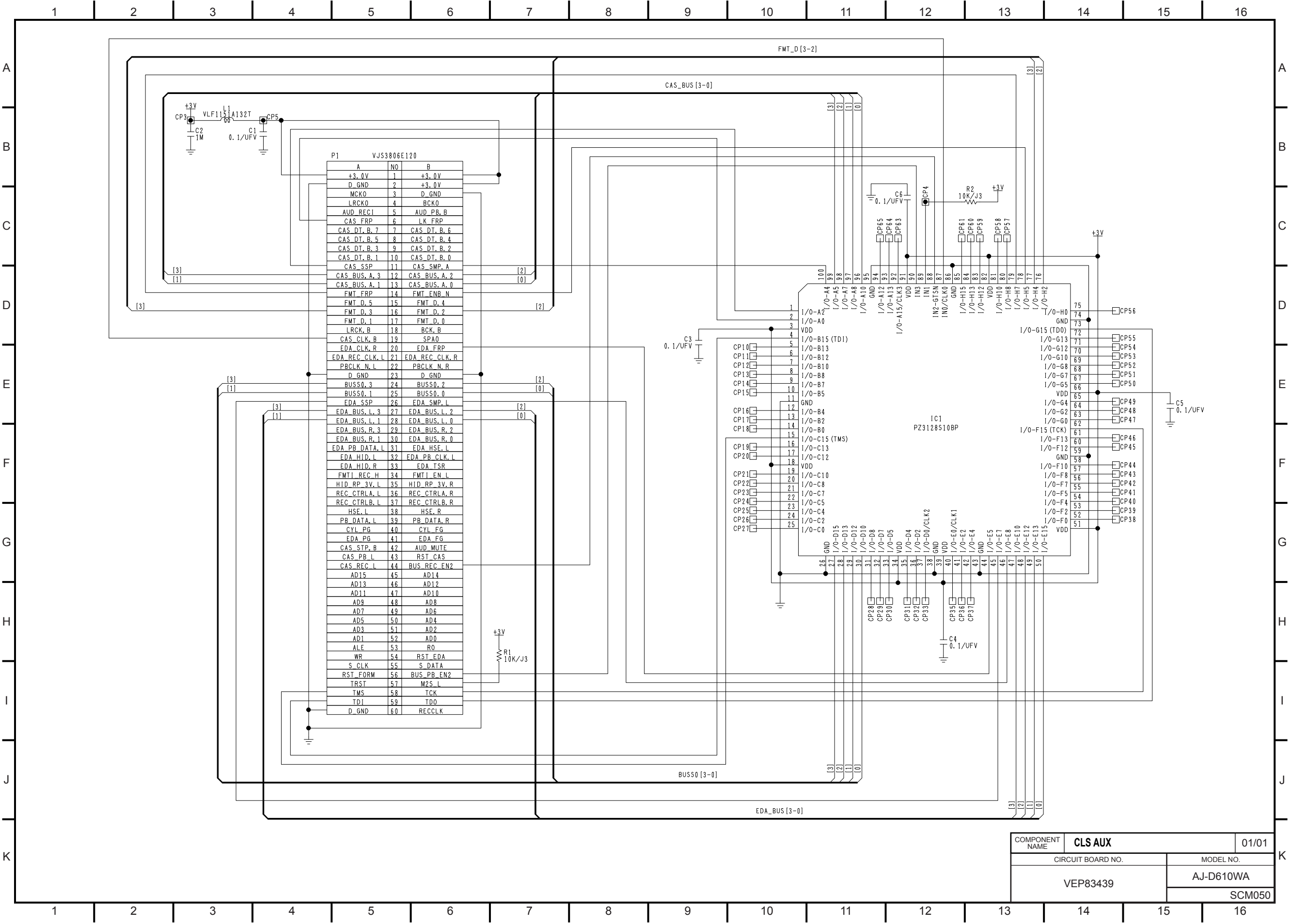
COMPONENT NAME		VIDEO MAIN		14/15
CIRCUIT BOARD NO.		MODEL NO.		
VEP83377		AJ-D610WA		
		SCM048		



	IC52	C954, C955 C956, C957	R953, R954 R955	R950, R951 R952	IC51	IC2	C953	C950
D610WA	MB89344PFV	0.1/UFV	47/J3	47K/J3	XC62FP5002MR	XC62FP3002MR	16V10/ST1	10V10/ST1

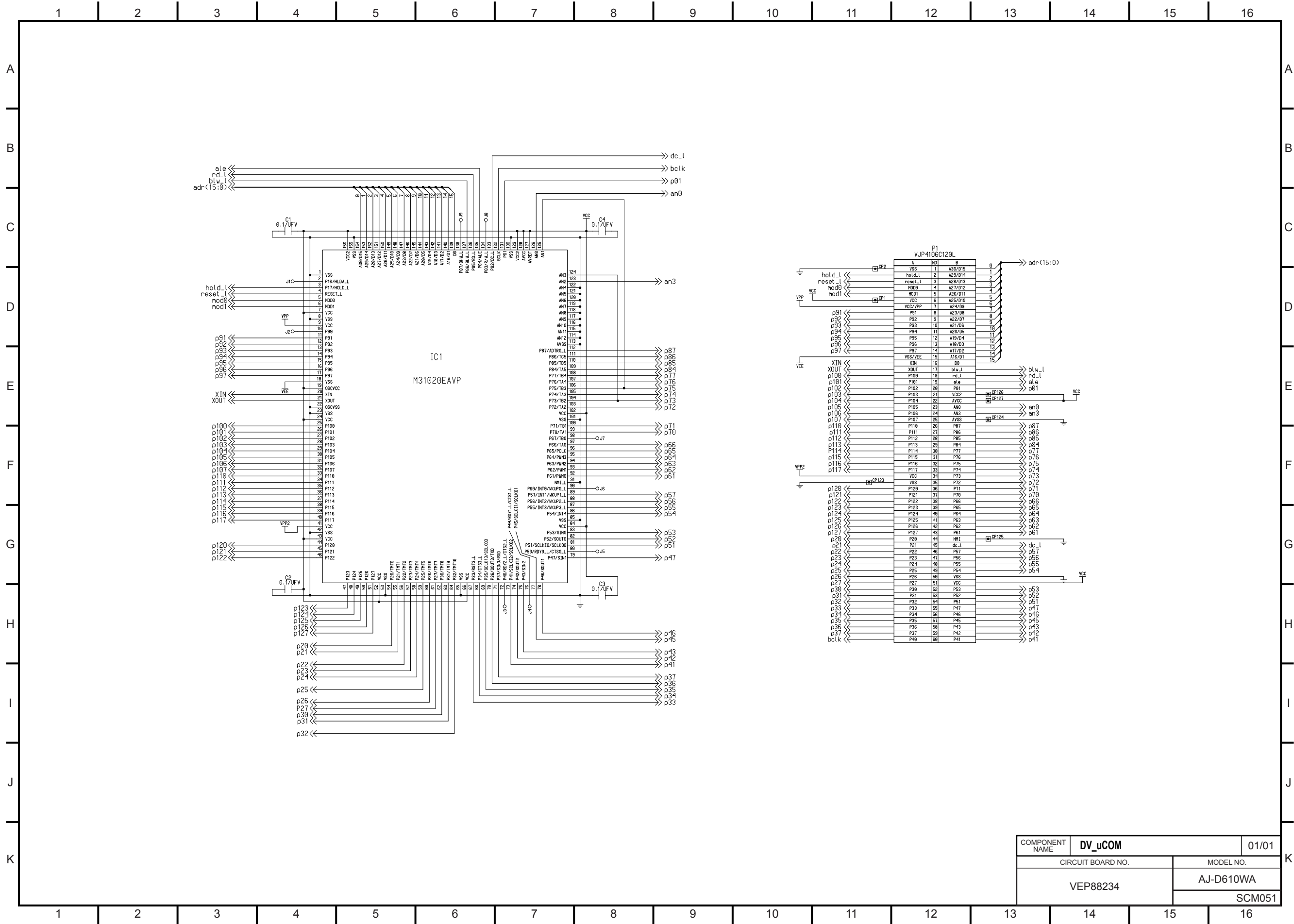
$\text{---}\text{---}\text{---}_1$  = ANALOG GND

COMPONENT NAME	VIDEO MAIN		15/15
	CIRCUIT BOARD NO.		MODEL NO.
VEP83377		AJ-D610WA	
		SCM049	

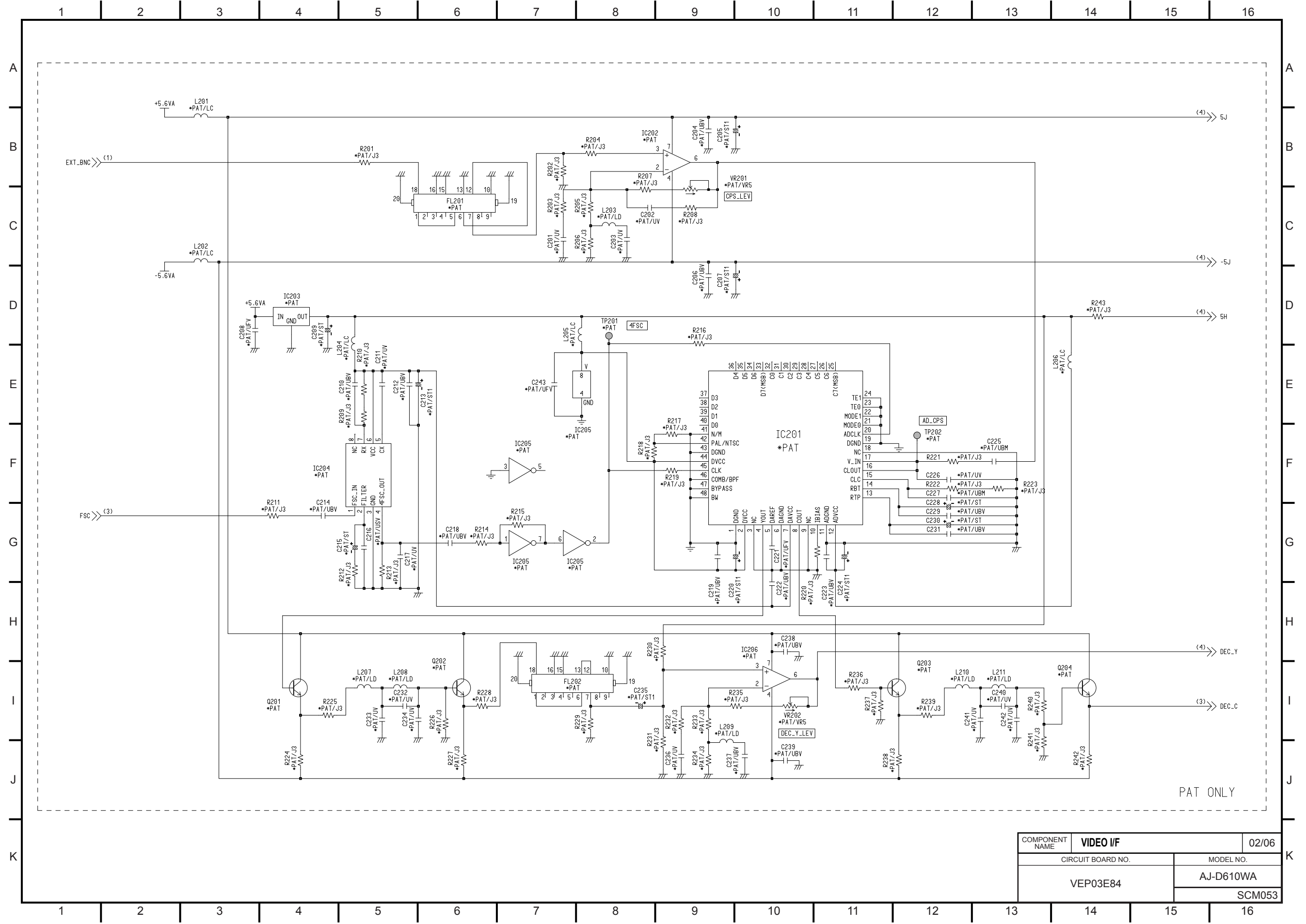


COMPONENT NAME	CLS AUX	01/01
CIRCUIT BOARD NO.		MODEL NO.
VEP83439		AJ-D610WA
		SCM050

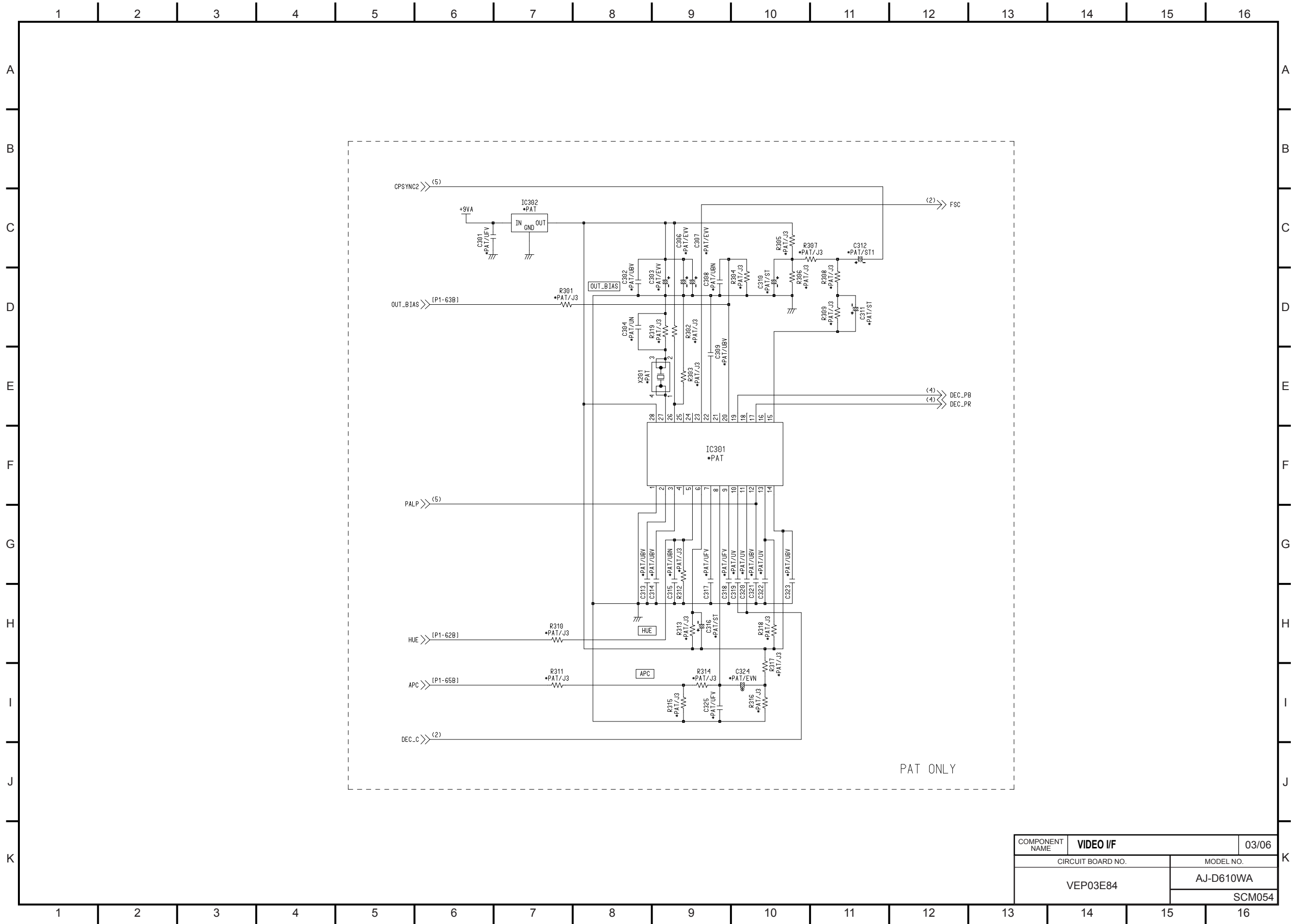






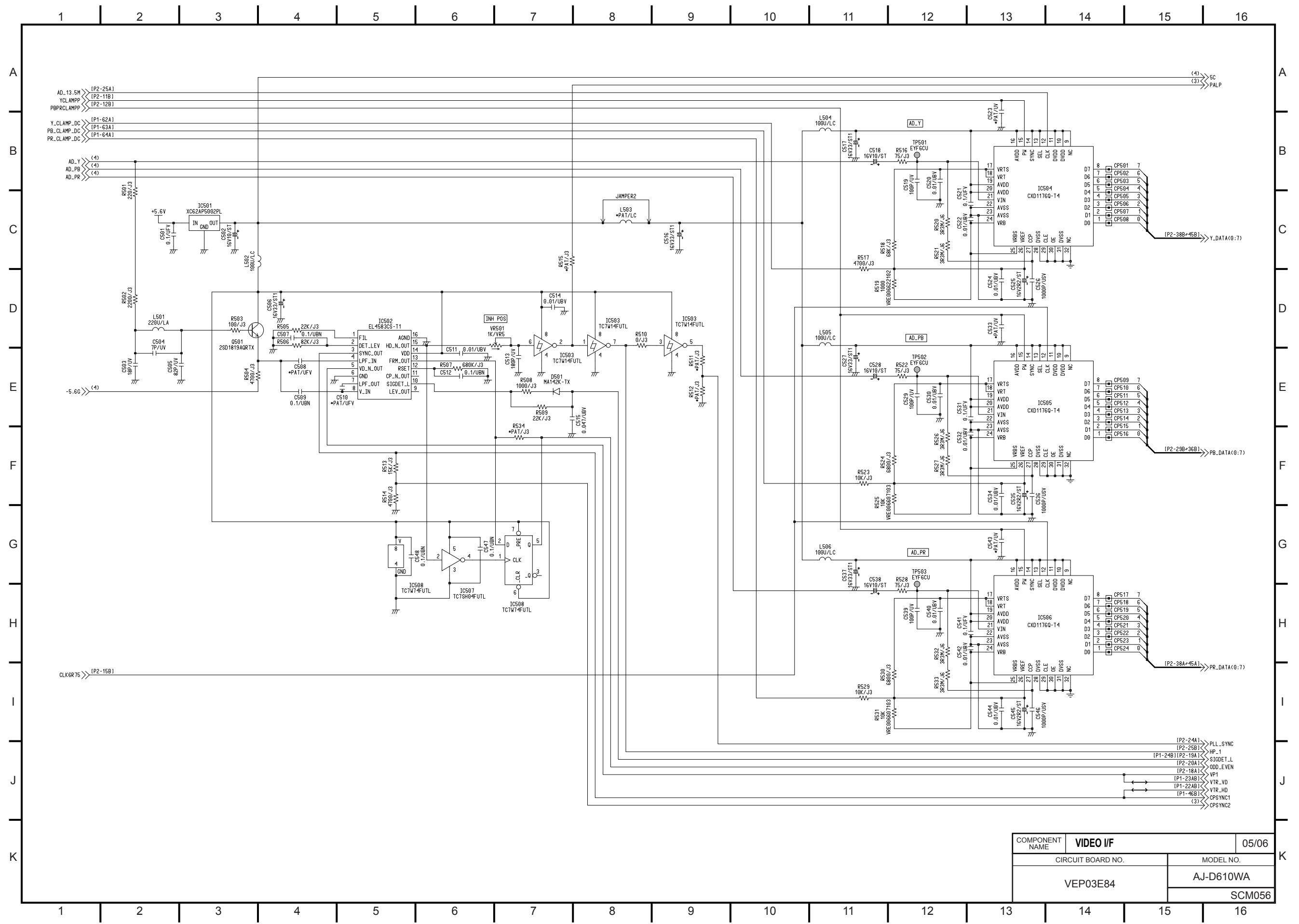


COMPONENT NAME	VIDEO I/F		02/06
	CIRCUIT BOARD NO.		MODEL NO.
VEP03E84		AJ-D610WA	
		SCM053	

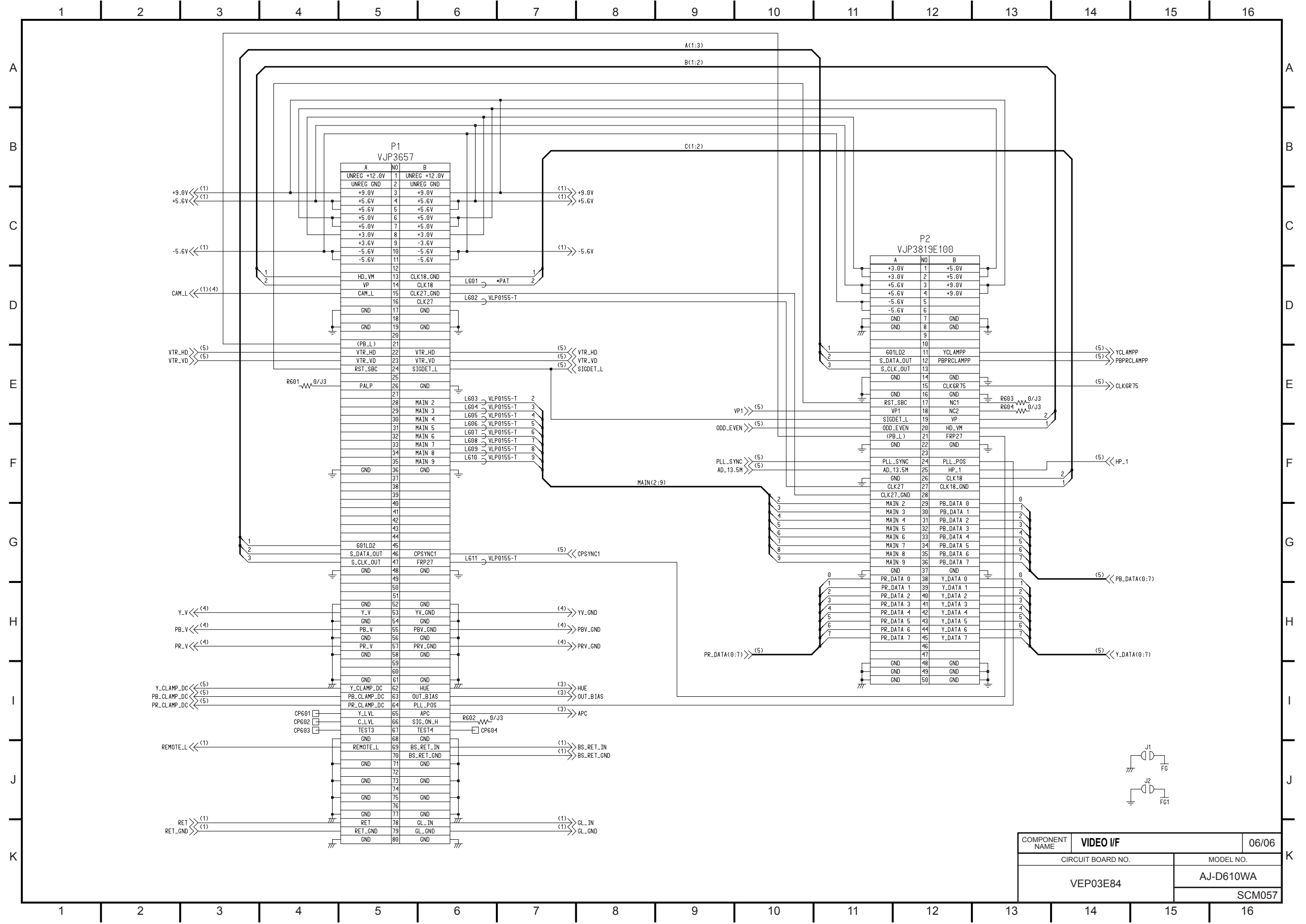


COMPONENT NAME	VIDEO I/F	03/06
CIRCUIT BOARD NO.		MODEL NO.
VEP03E84		AJ-D610WA
		SCM054

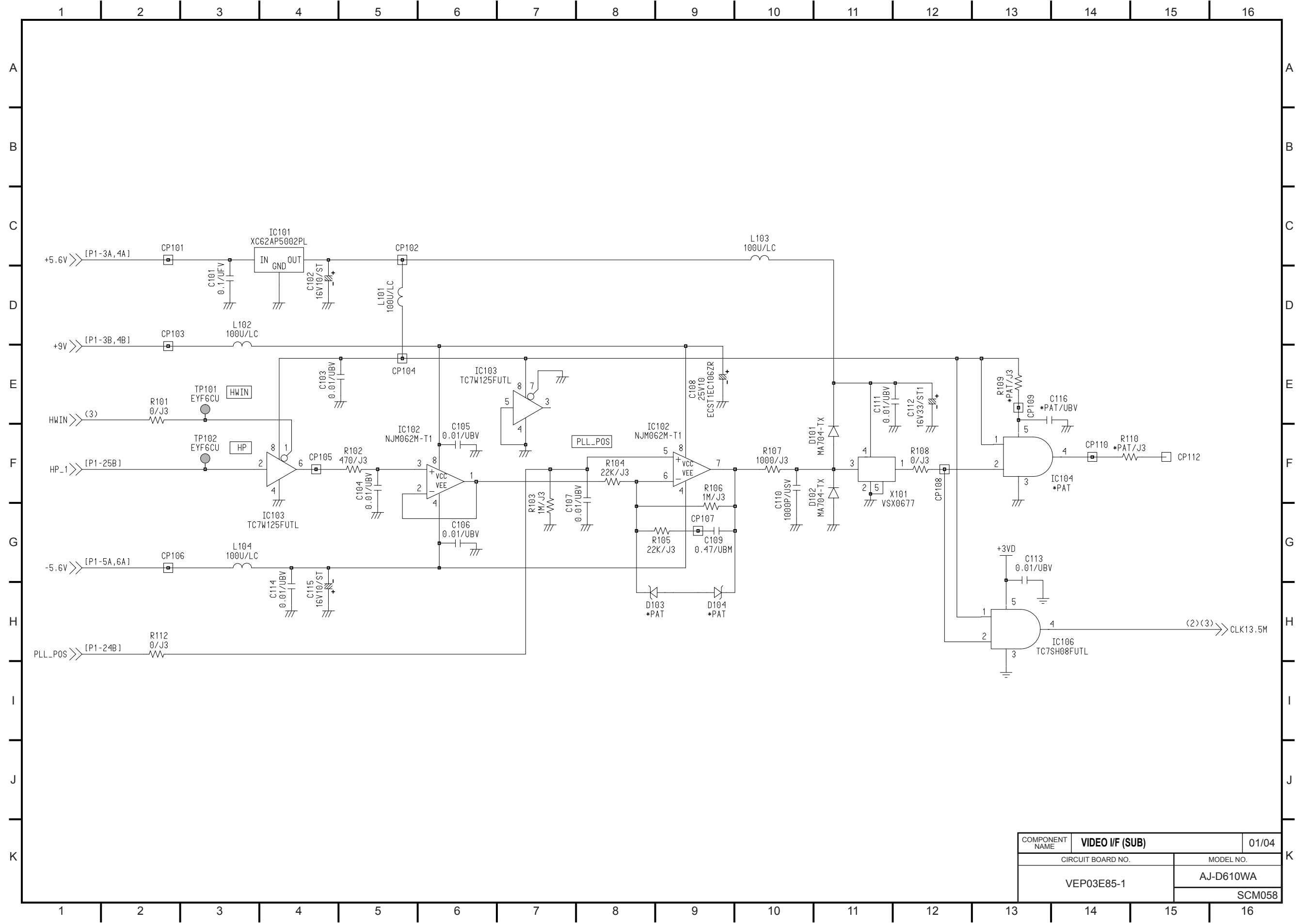




COMPONENT NAME	VIDEO I/F	05/06
CIRCUIT BOARD NO.		MODEL NO.
VEP03E84		AJ-D610WA
		SCM056

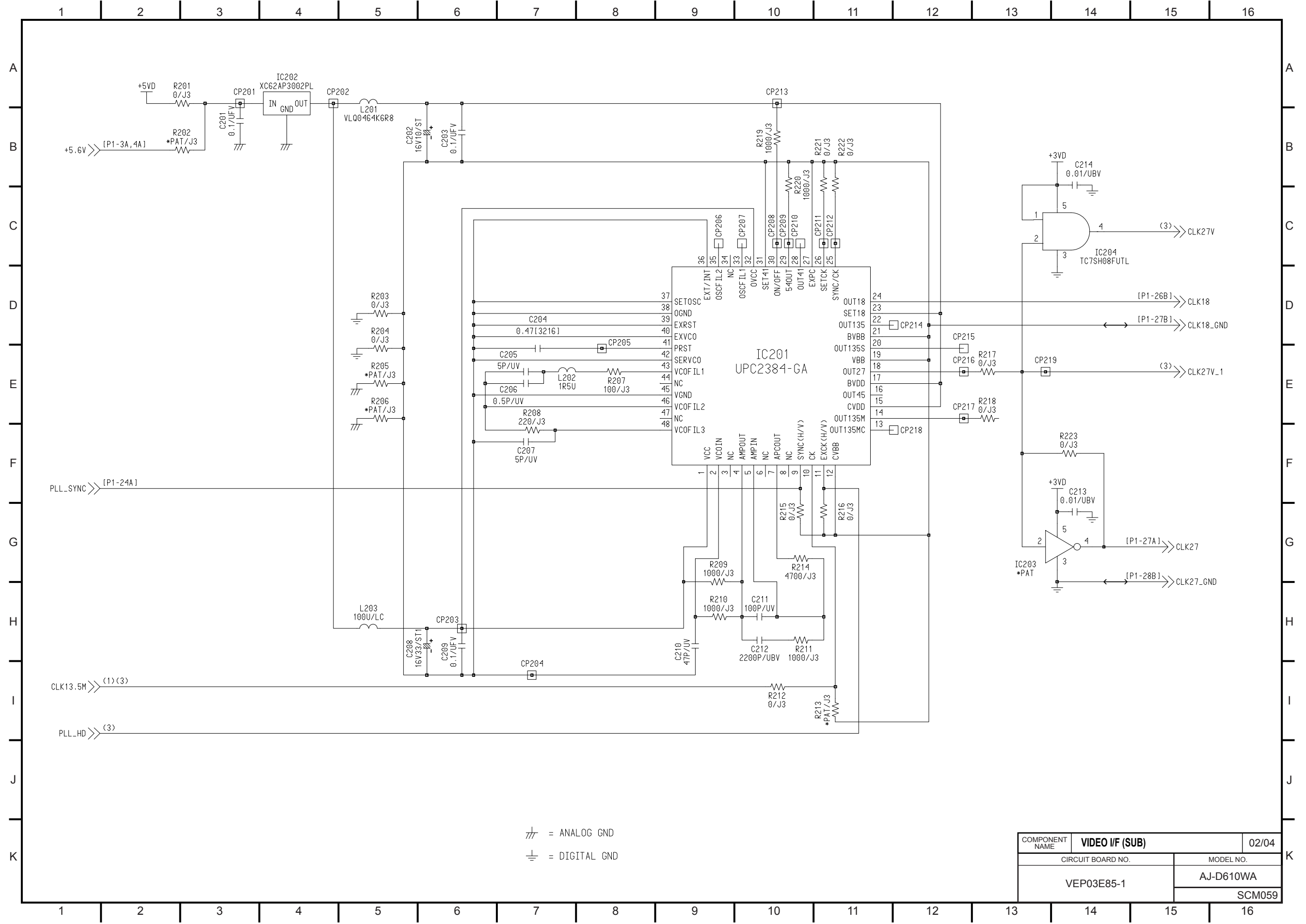


COMPONENT NAME	VIDEO I/F	06/06
CIRCUIT BOARD NO.		MODEL NO.
VEP03E84		AJ-D610WA
		SCM057



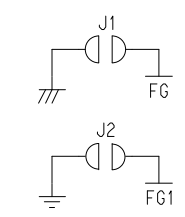
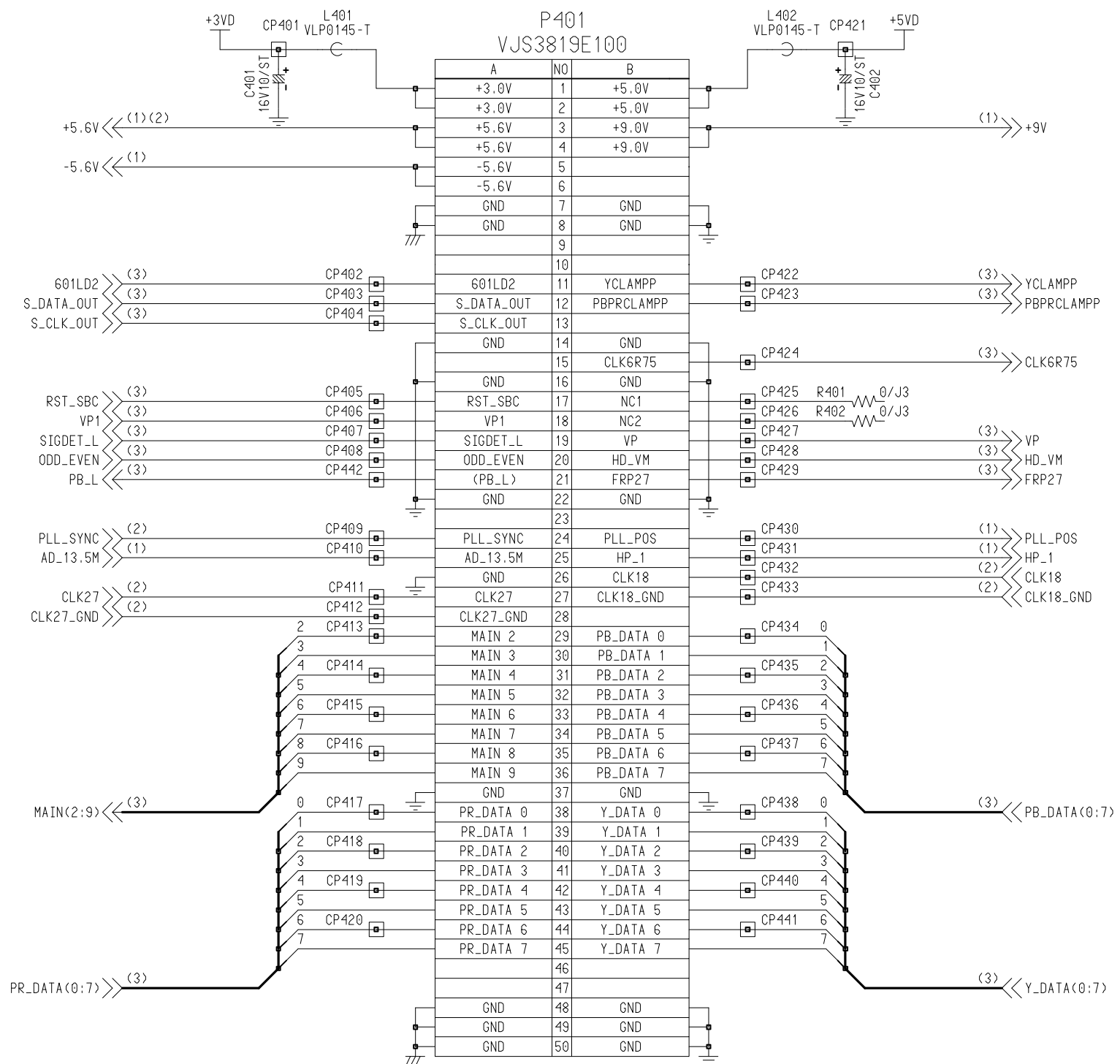
COMPONENT NAME	VIDEO I/F (SUB)	01/04
CIRCUIT BOARD NO.		MODEL NO.
VEP03E85-1		AJ-D610WA
		SCM058



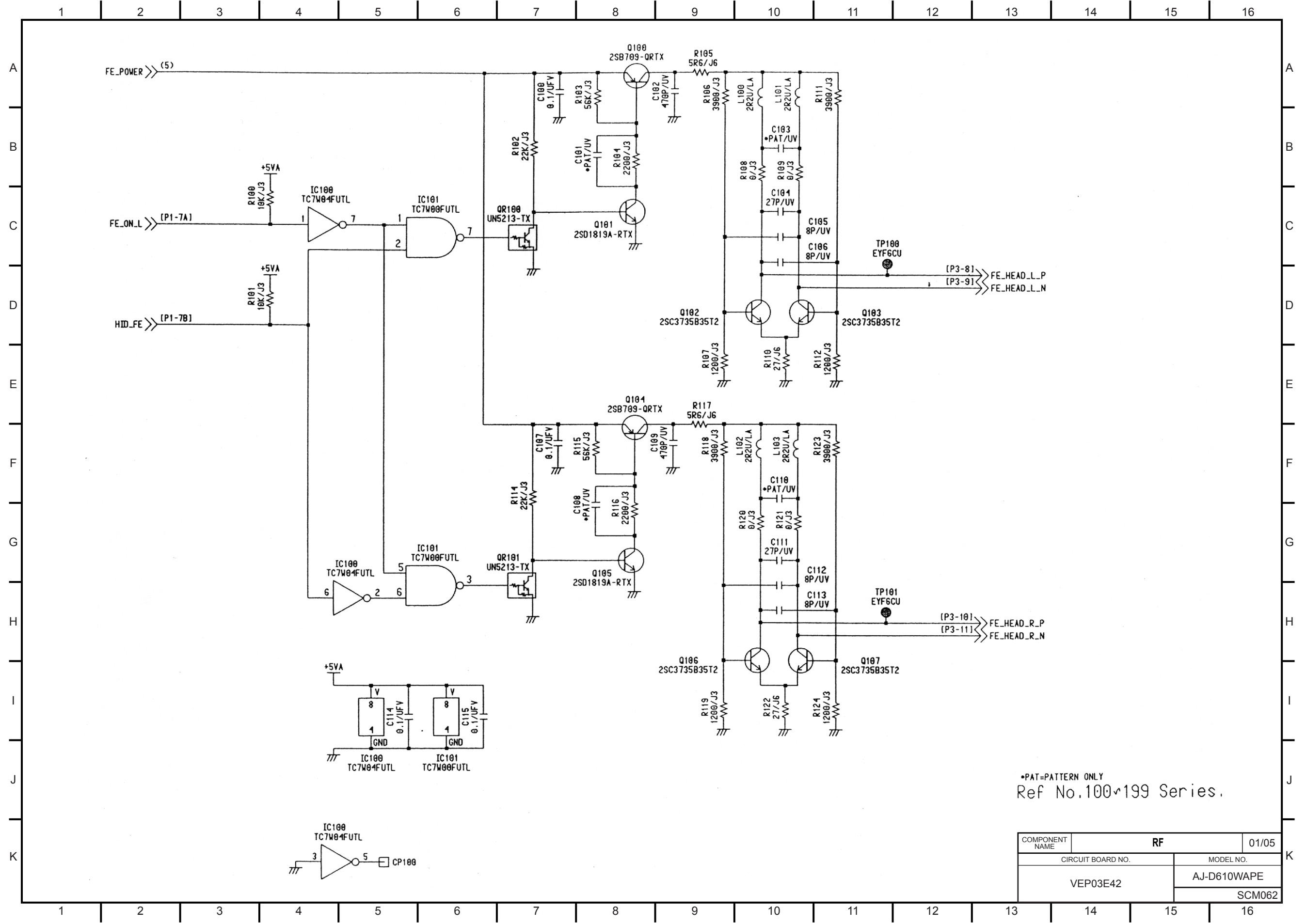


COMPONENT NAME	VIDEO I/F (SUB)	02/04
CIRCUIT BOARD NO.		MODEL NO.
VEP03E85-1		AJ-D610WA
		SCM059





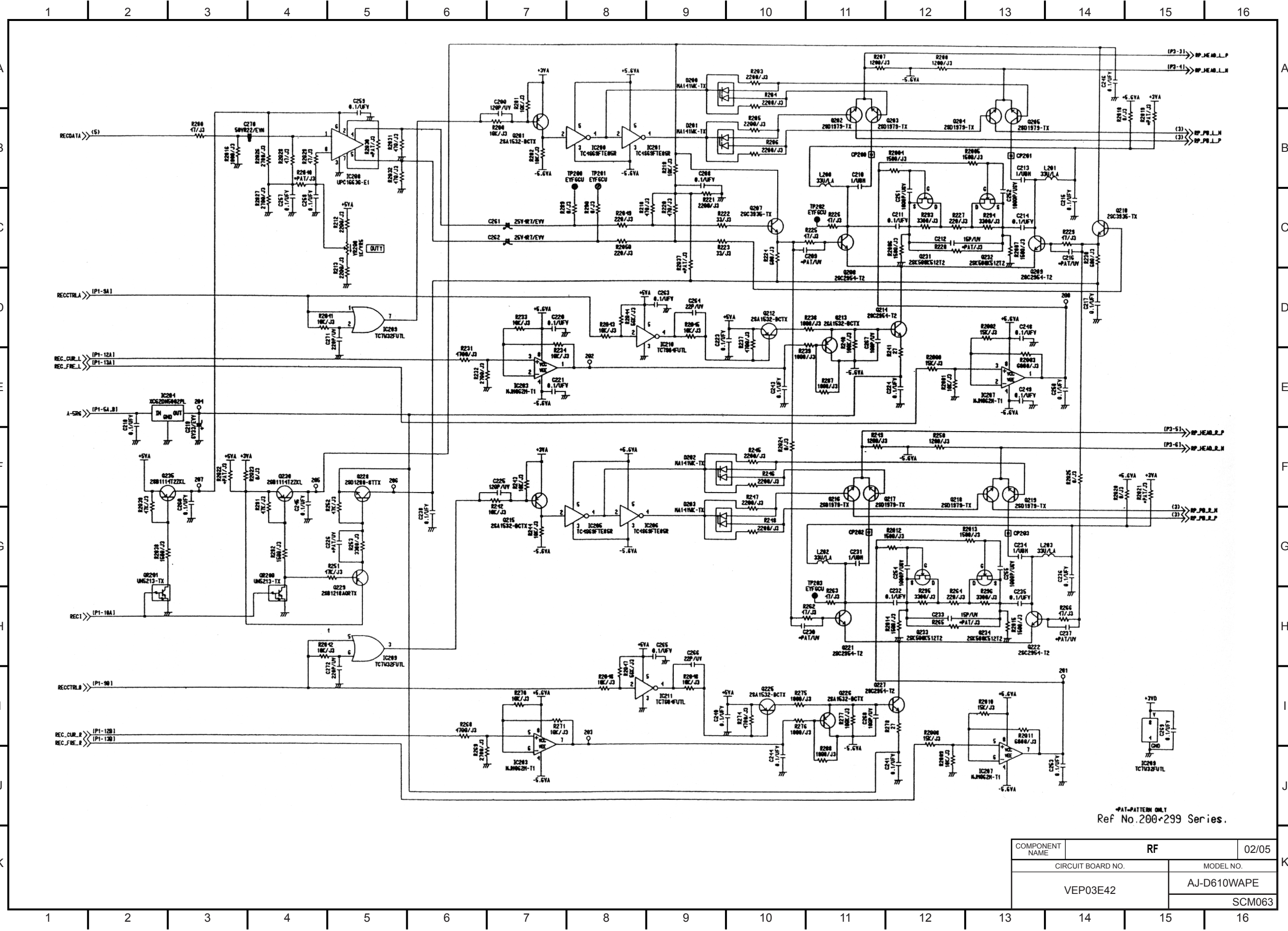
COMPONENT NAME	VIDEO I/F (SUB)	04/04
CIRCUIT BOARD NO.	VEP03E85-1	MODEL NO.
		AJ-D610WA
		SCM061



•PAT=PATTERN ONLY  
Ref No.100~199 Series.

COMPONENT NAME	RF	01/05
CIRCUIT BOARD NO.	VEP03E42	MODEL NO.
		AJ-D610WAPE
		SCM062



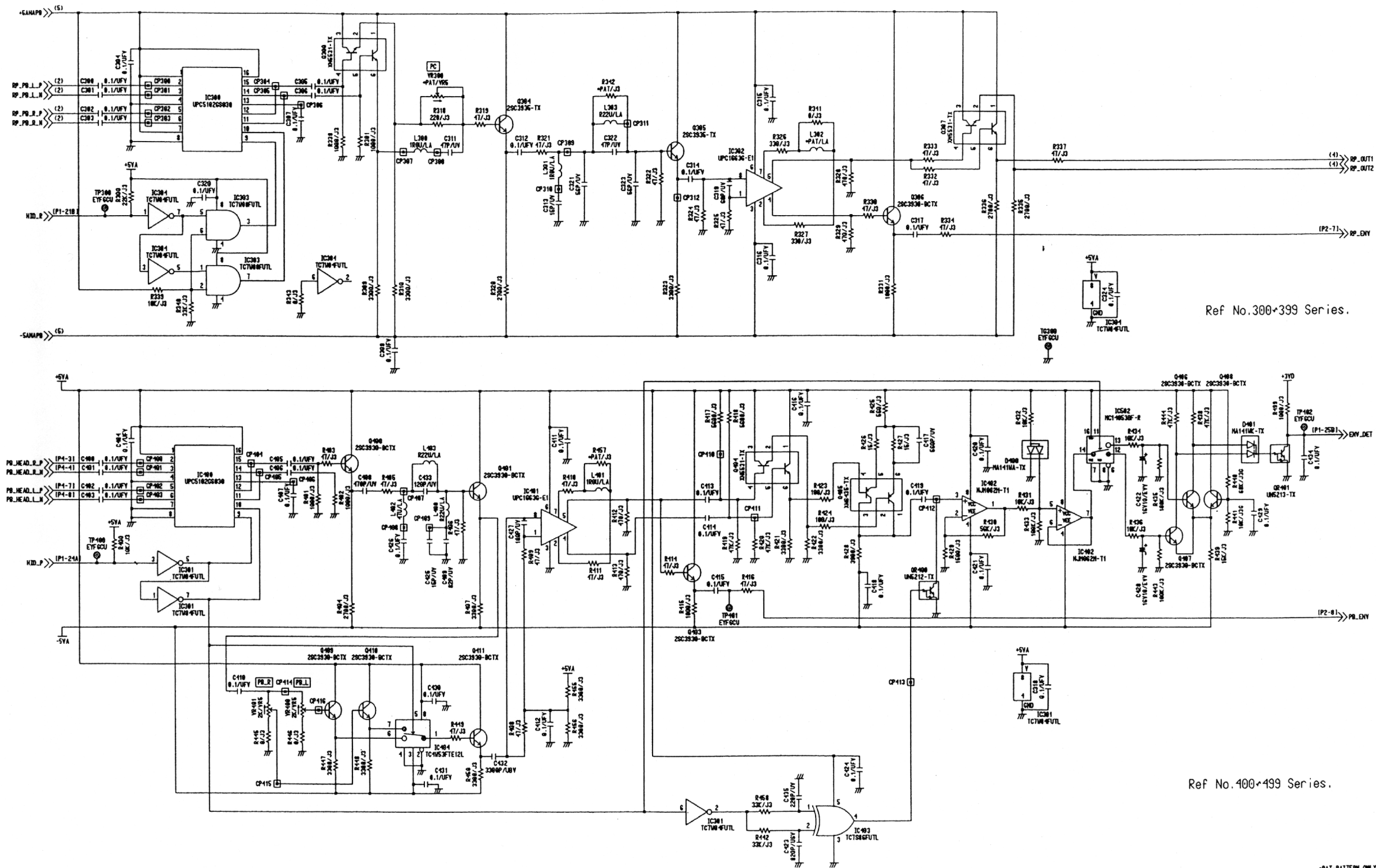


Ref No.200-299 Series.

COMPONENT NAME		RF	02/05
CIRCUIT BOARD NO.		MODEL NO.	
VEP03E42		AJ-D610WAPE	
		SCM063	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K



Ref No.300-399 Series.

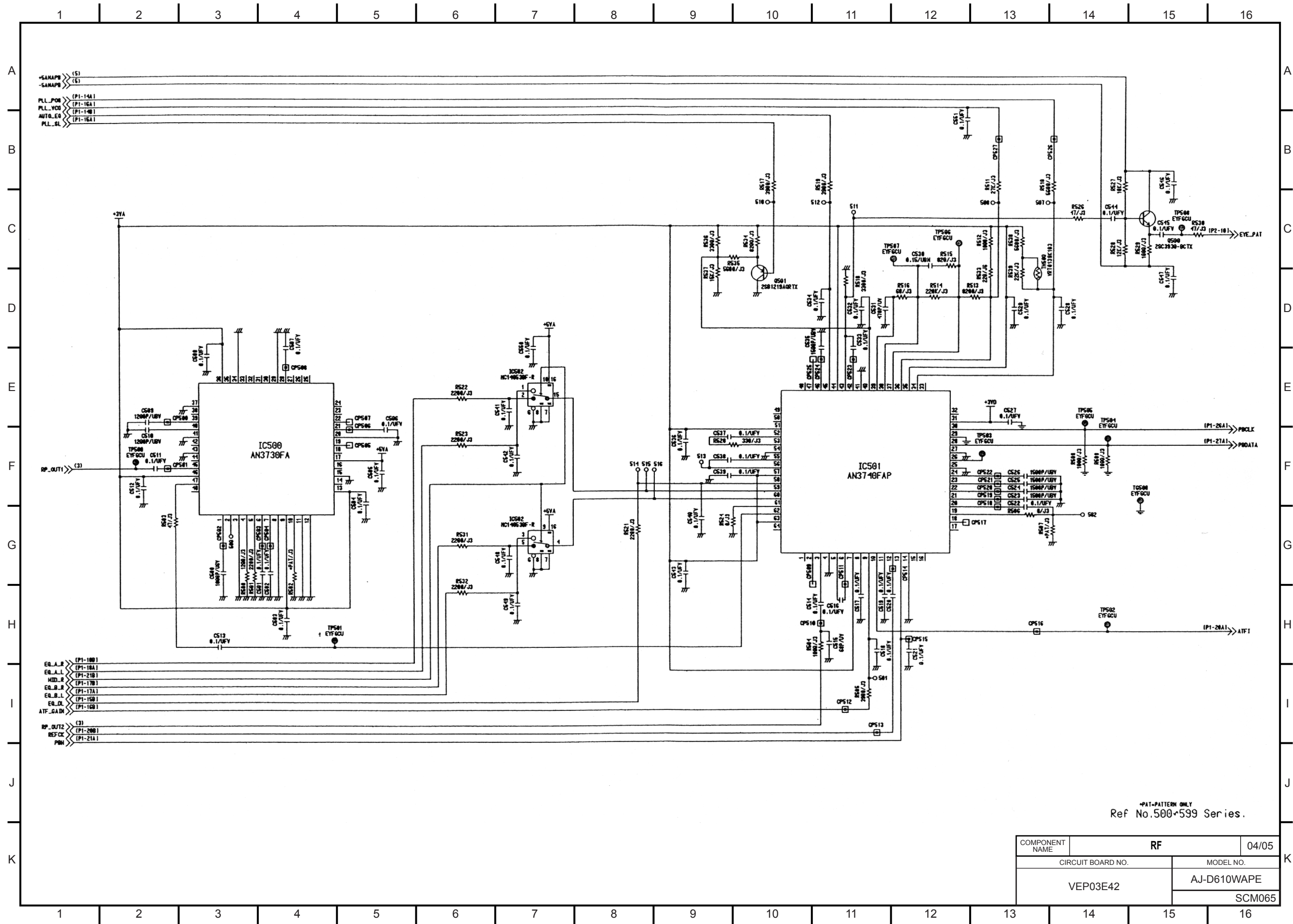
Ref No.400-499 Series.

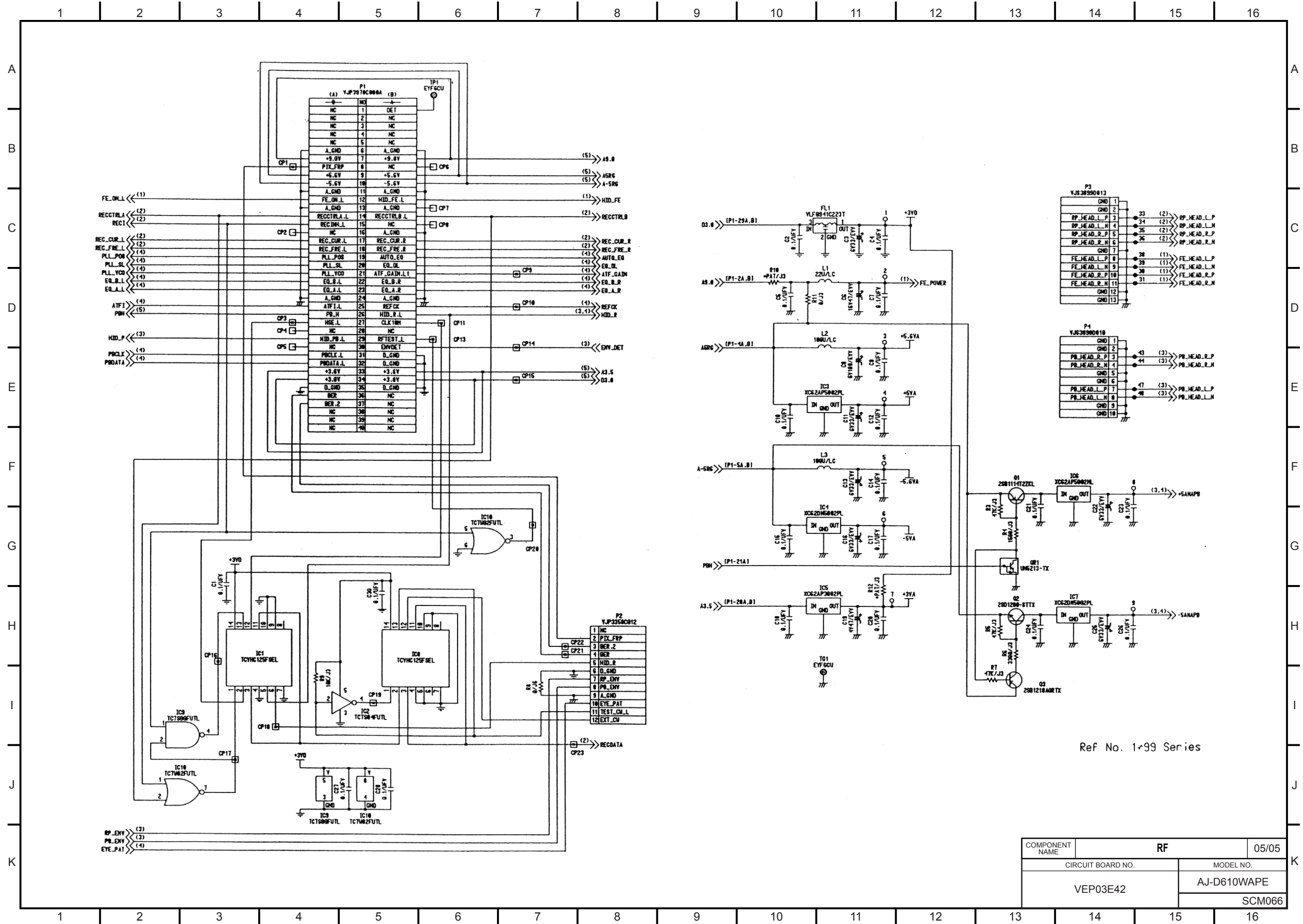
-PAT-PATTERN ONLY

COMPONENT NAME		RF		03/05
CIRCUIT BOARD NO.		MODEL NO.		
VEP03E42		AJ-D610WAPE		
		SCM064		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



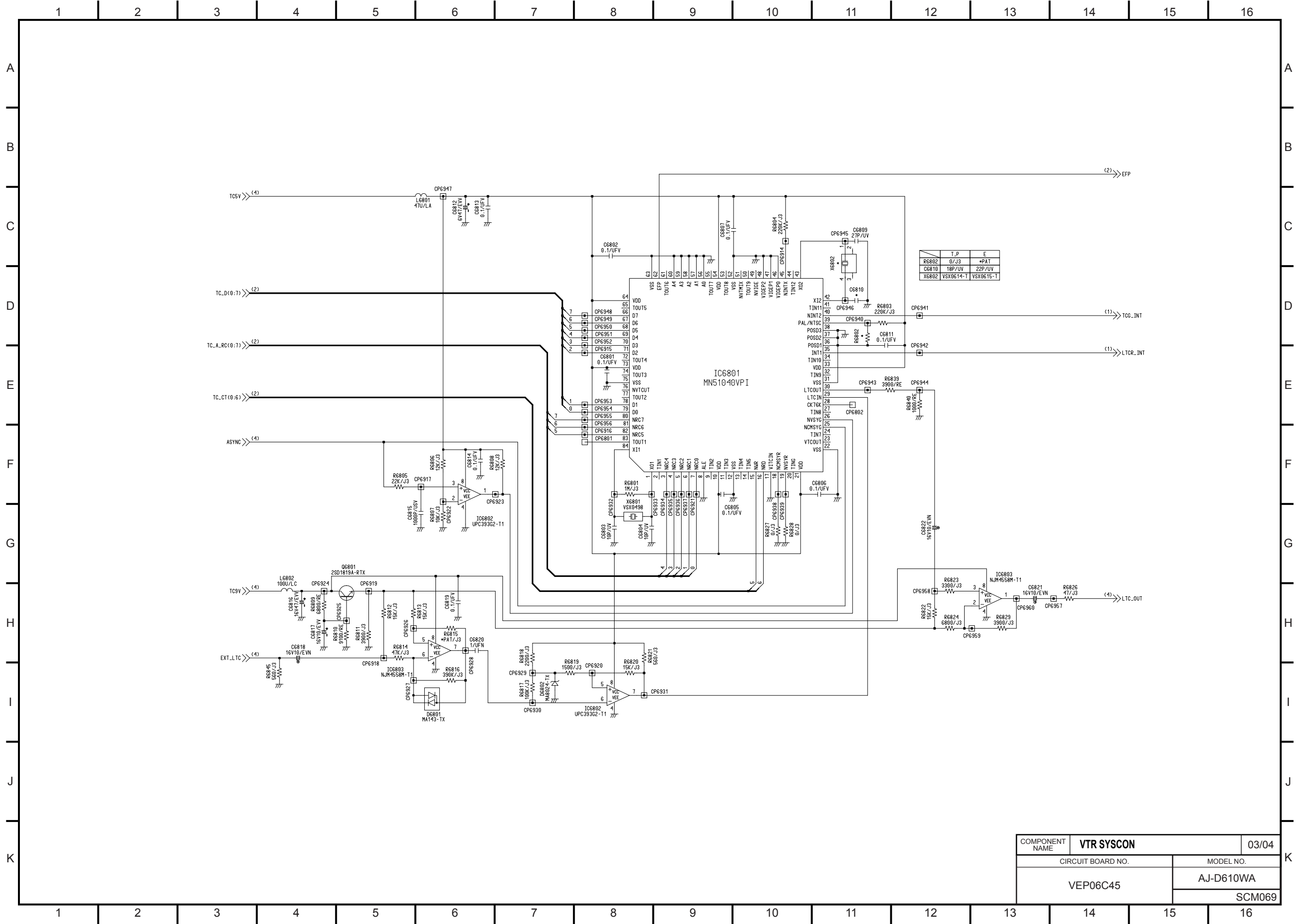


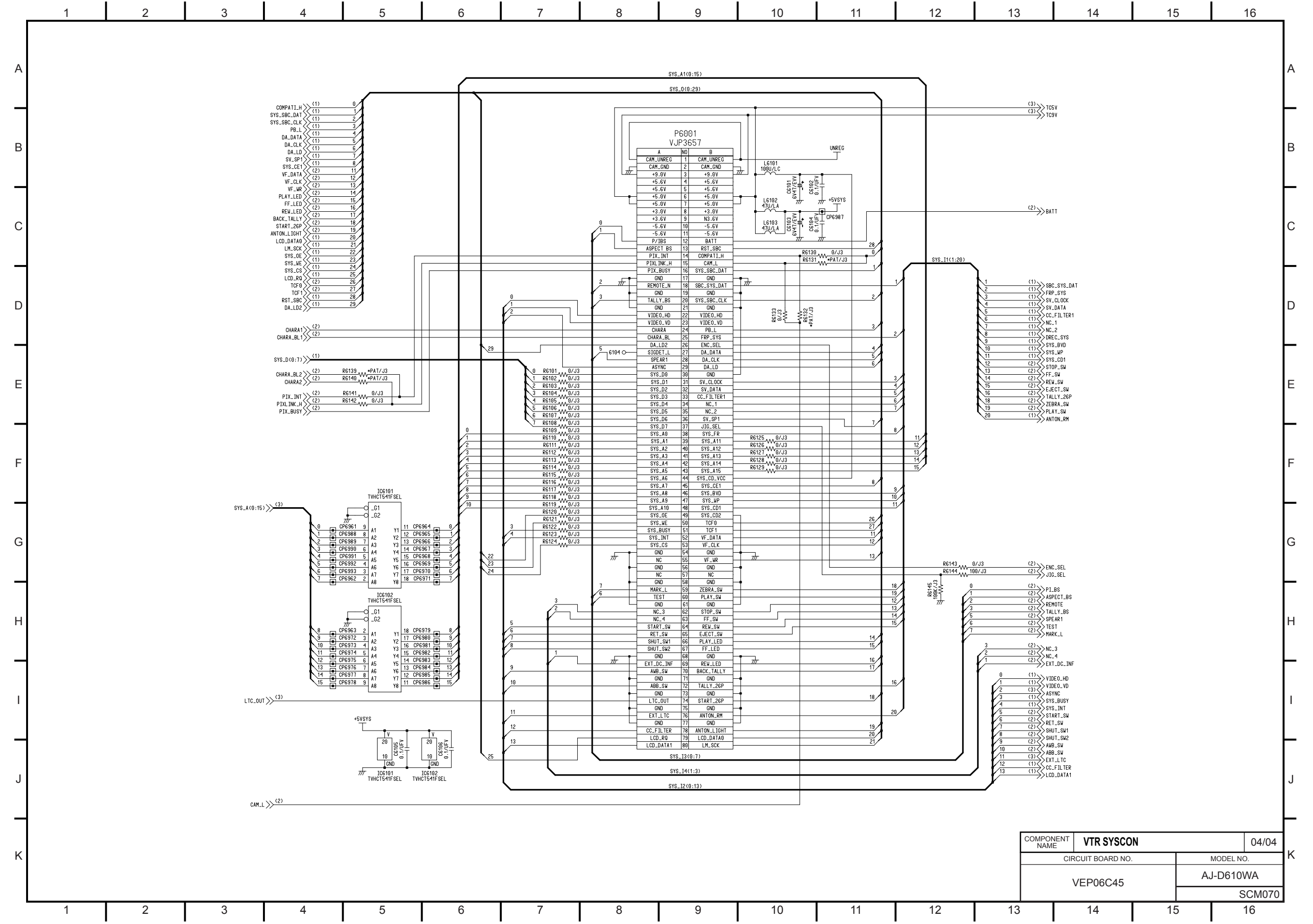




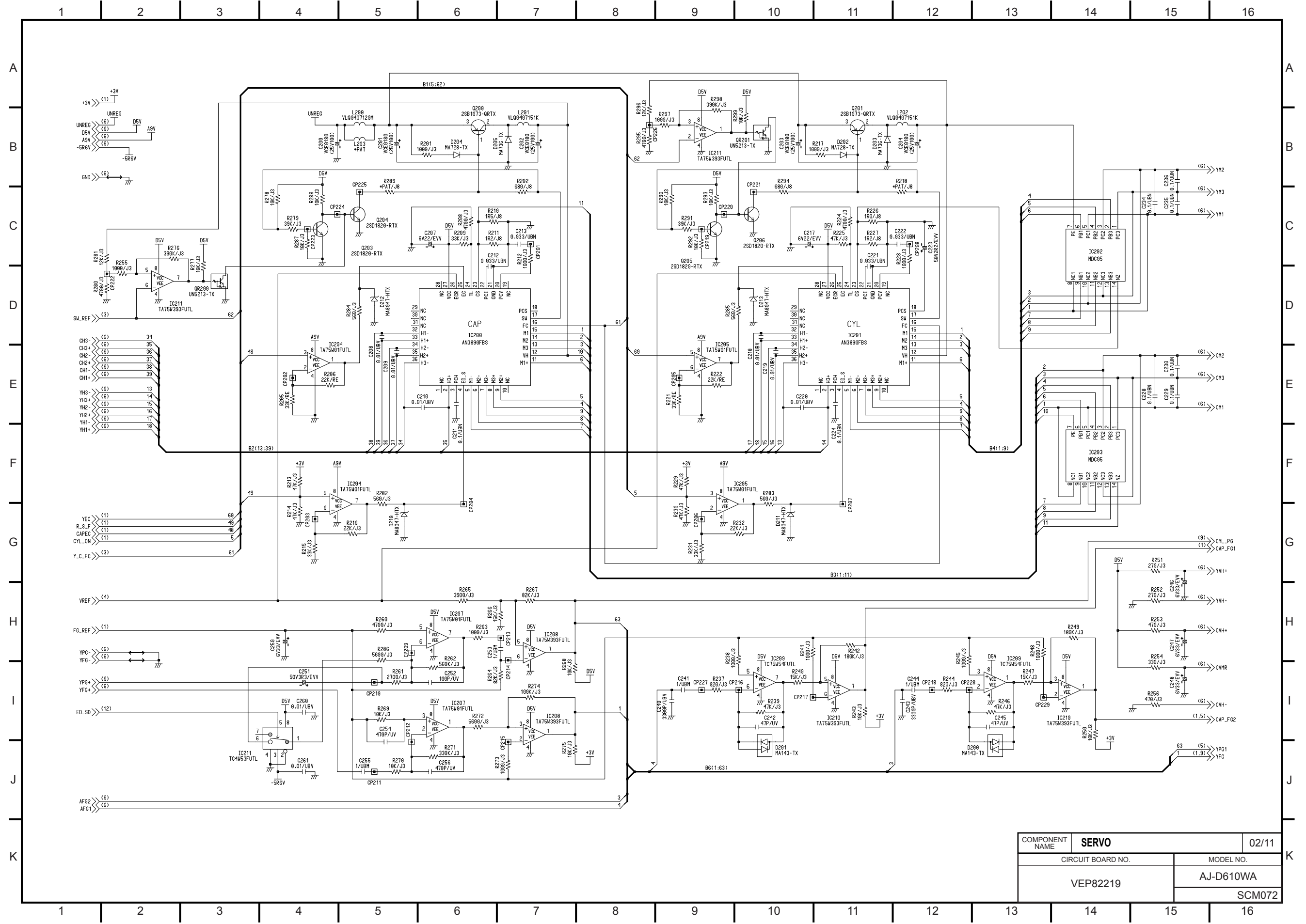






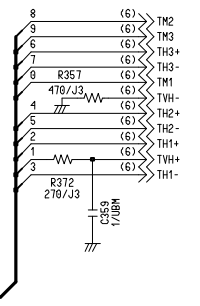
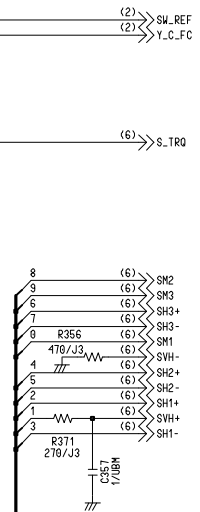
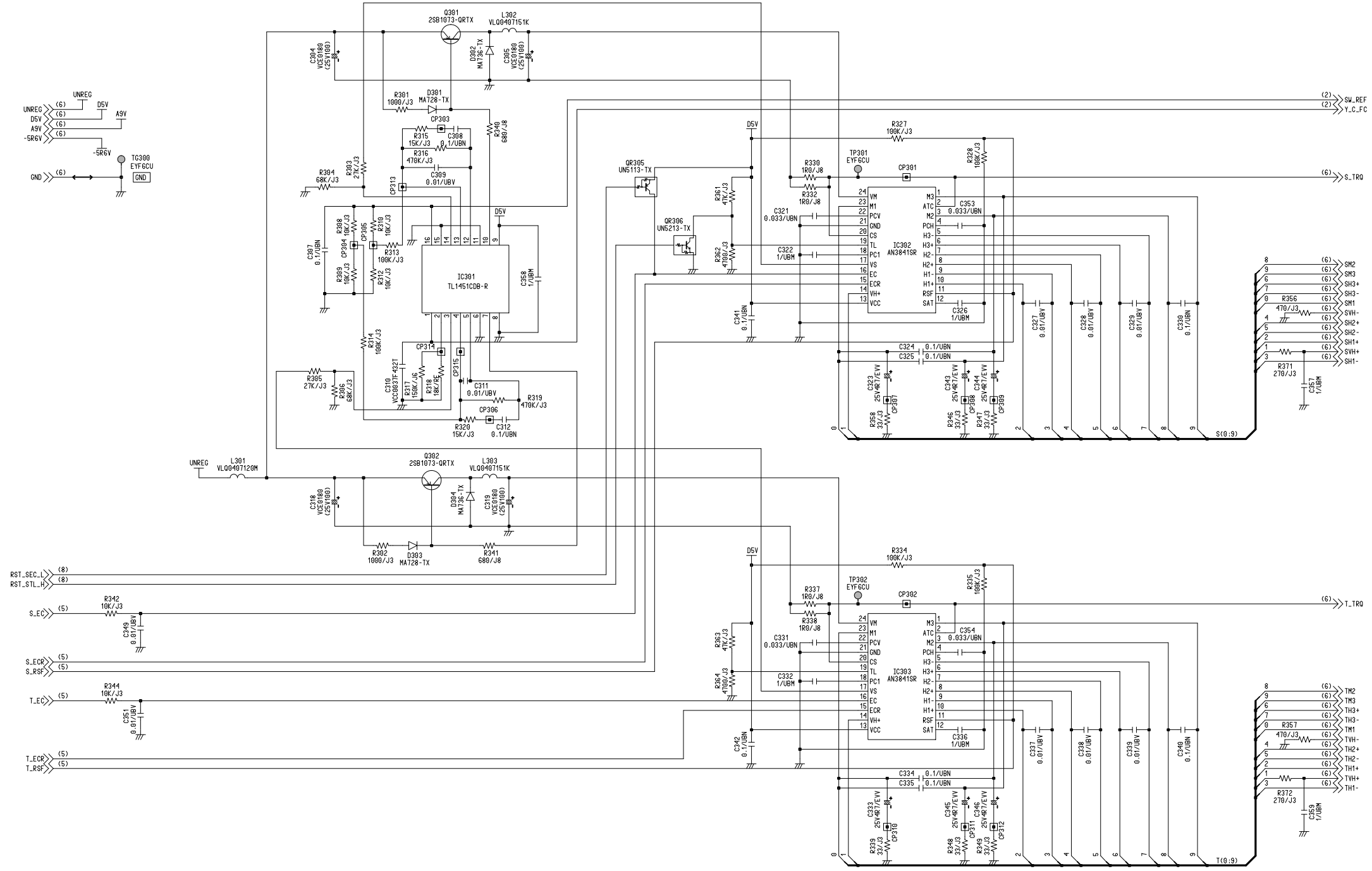
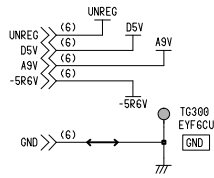




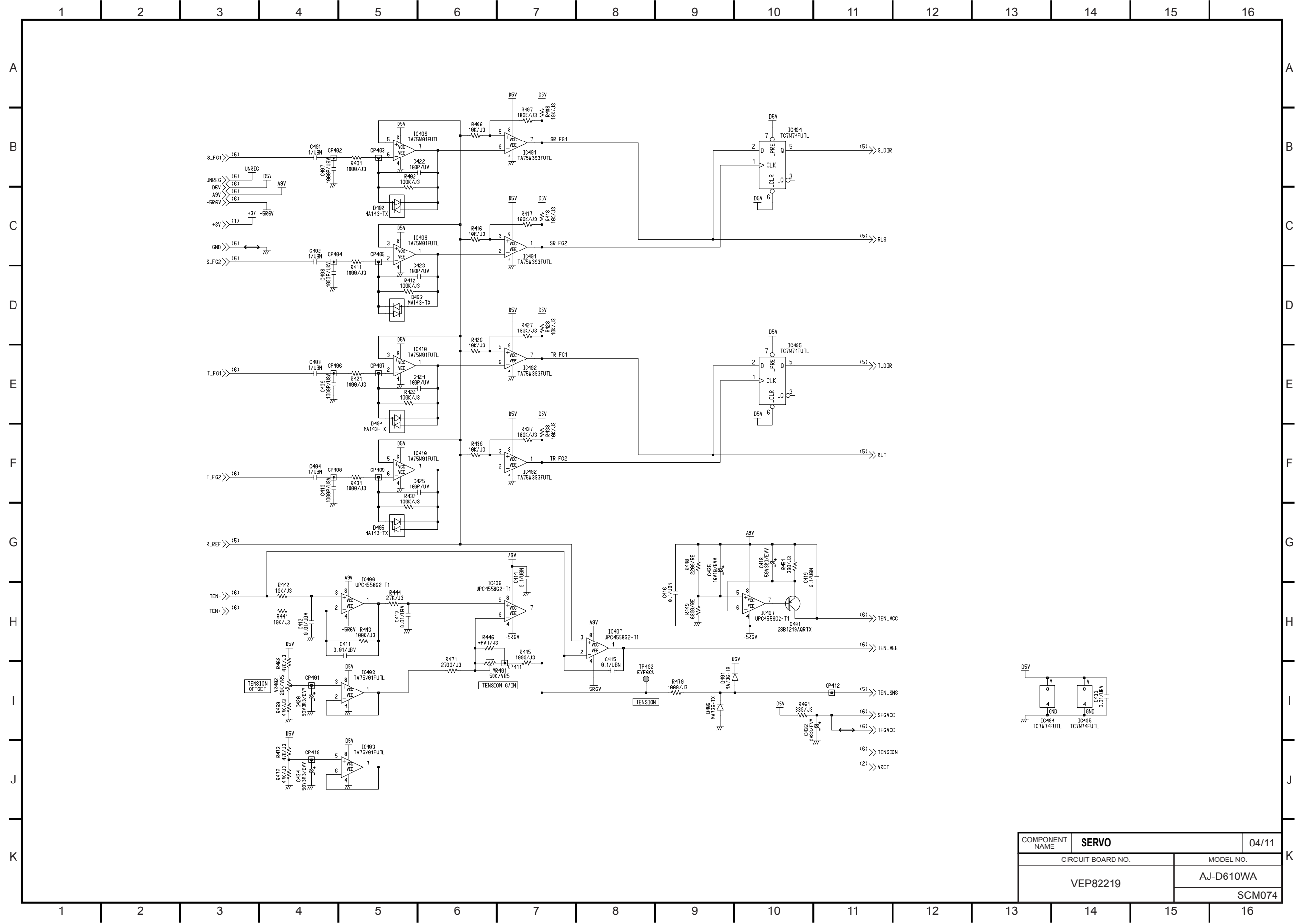


COMPONENT NAME	SERVO	02/11
CIRCUIT BOARD NO.		MODEL NO.
VEP82219		AJ-D610WA
		SCM072



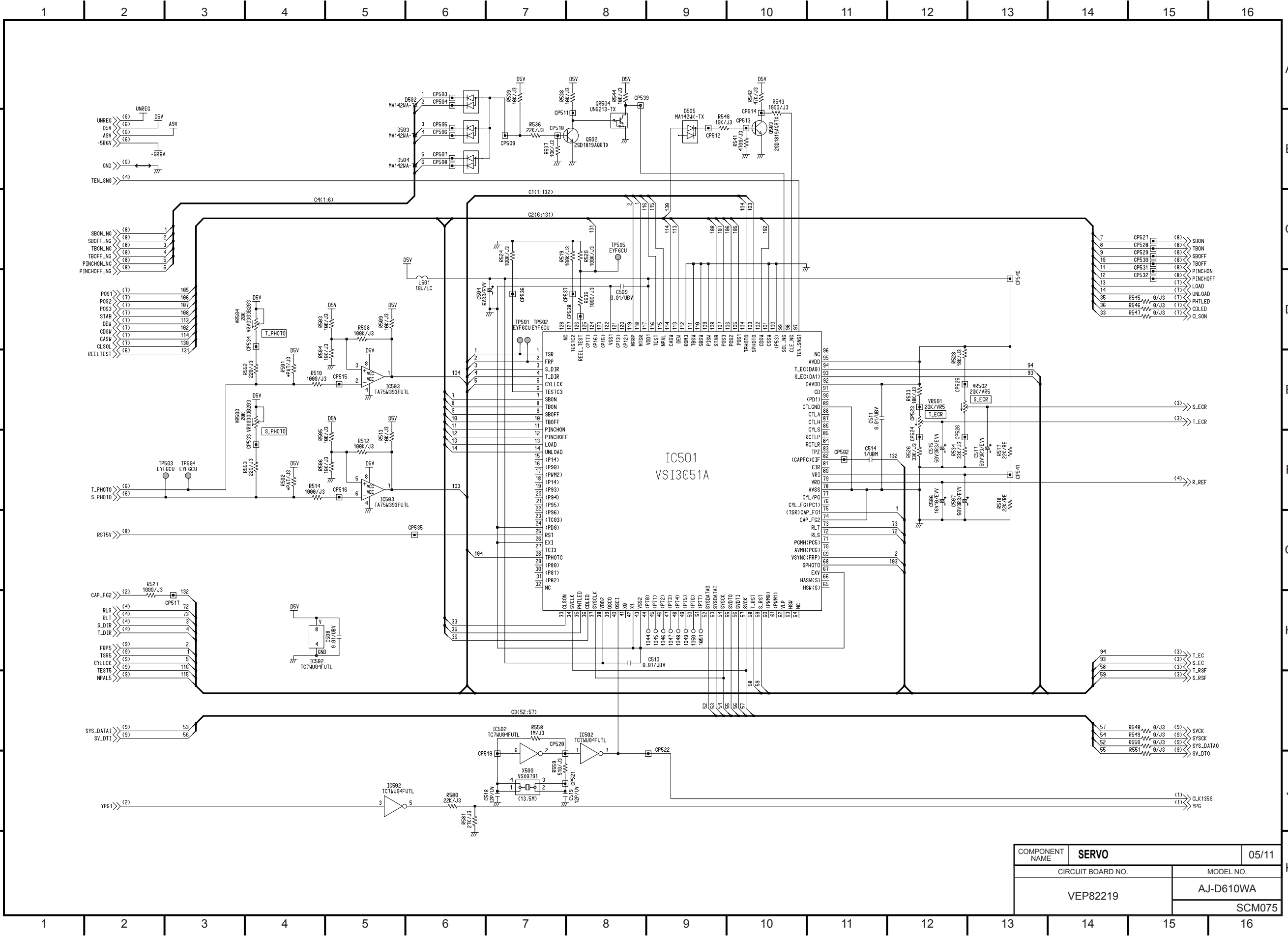


COMPONENT NAME	SERVO		03/11
	CIRCUIT BOARD NO.		MODEL NO.
	VEP82219		AJ-D610WA
			SCM073

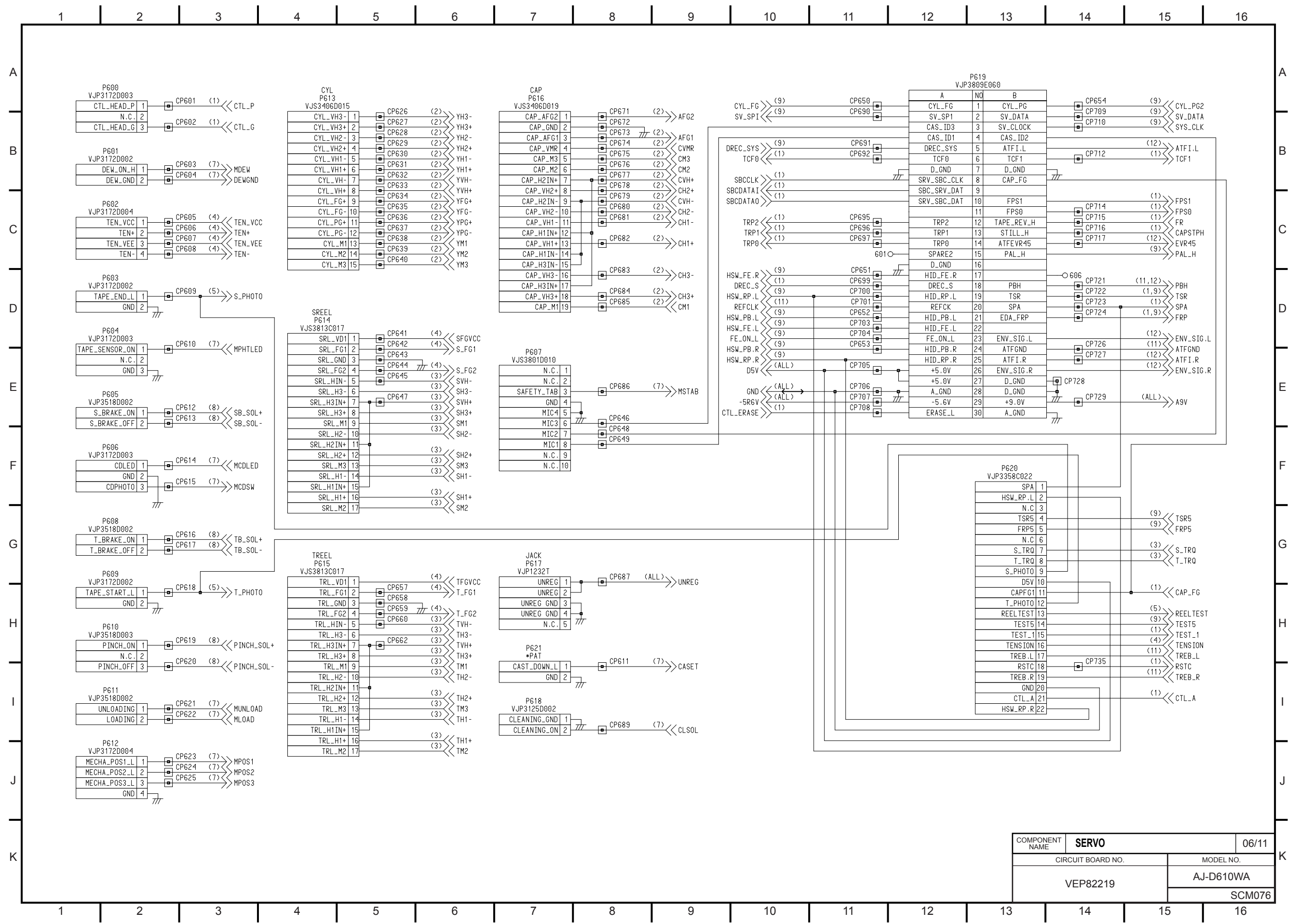


COMPONENT NAME	SERVO	04/11
CIRCUIT BOARD NO.		MODEL NO.
VEP82219		AJ-D610WA
		SCM074

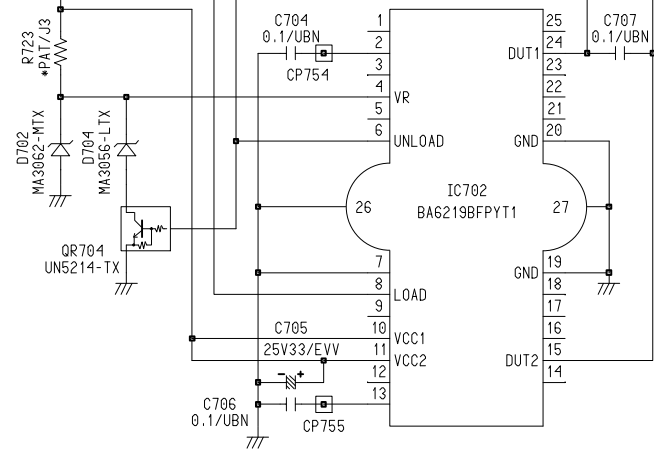
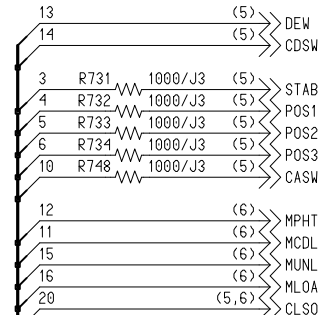
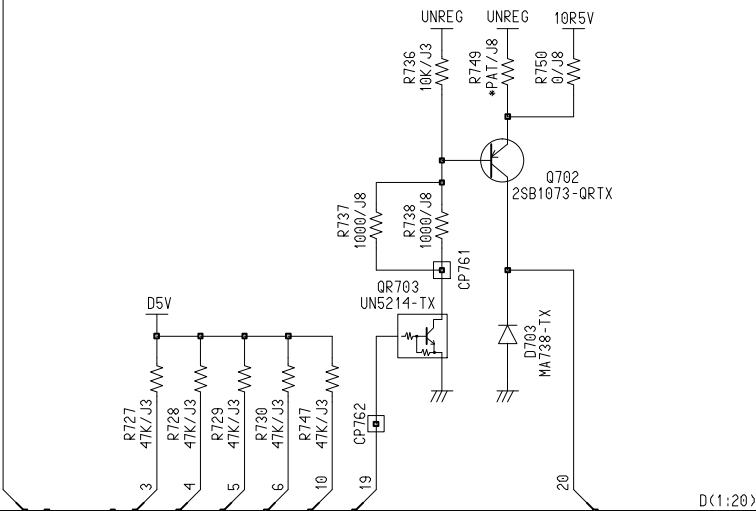
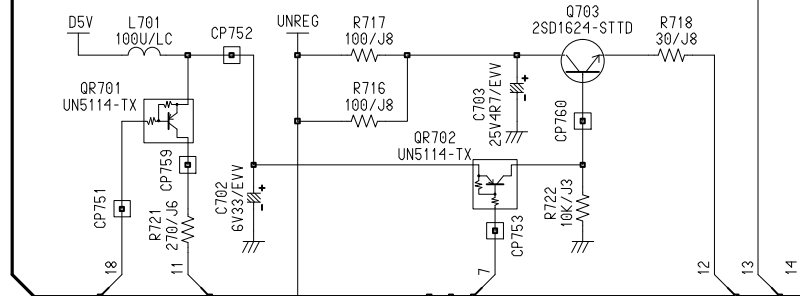
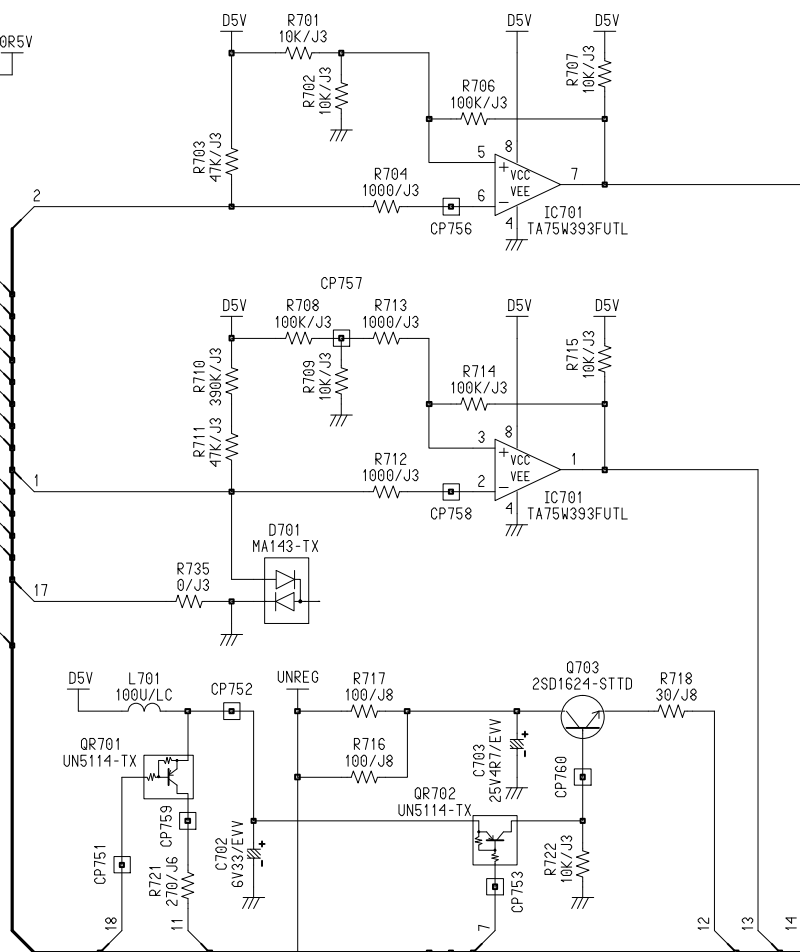
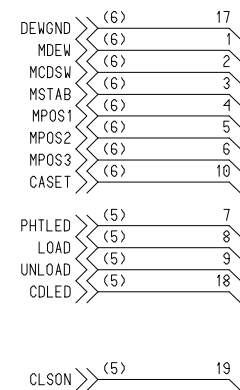
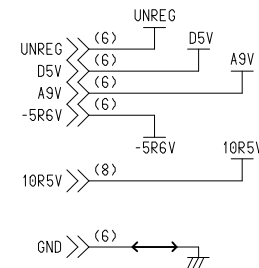




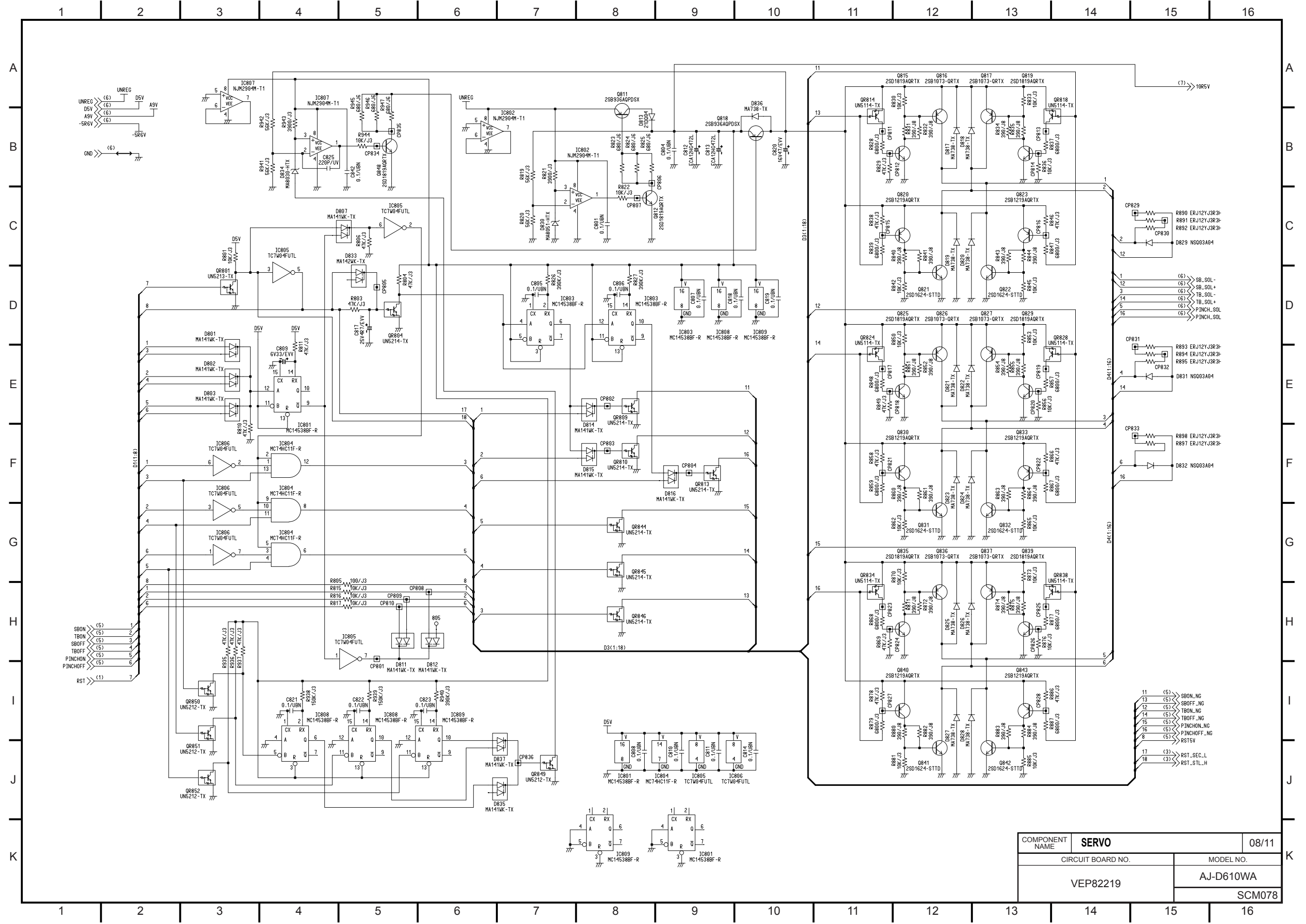
COMPONENT NAME	SERVO	05/11
CIRCUIT BOARD NO.		MODEL NO.
VEP82219		AJ-D610WA
		SCM075



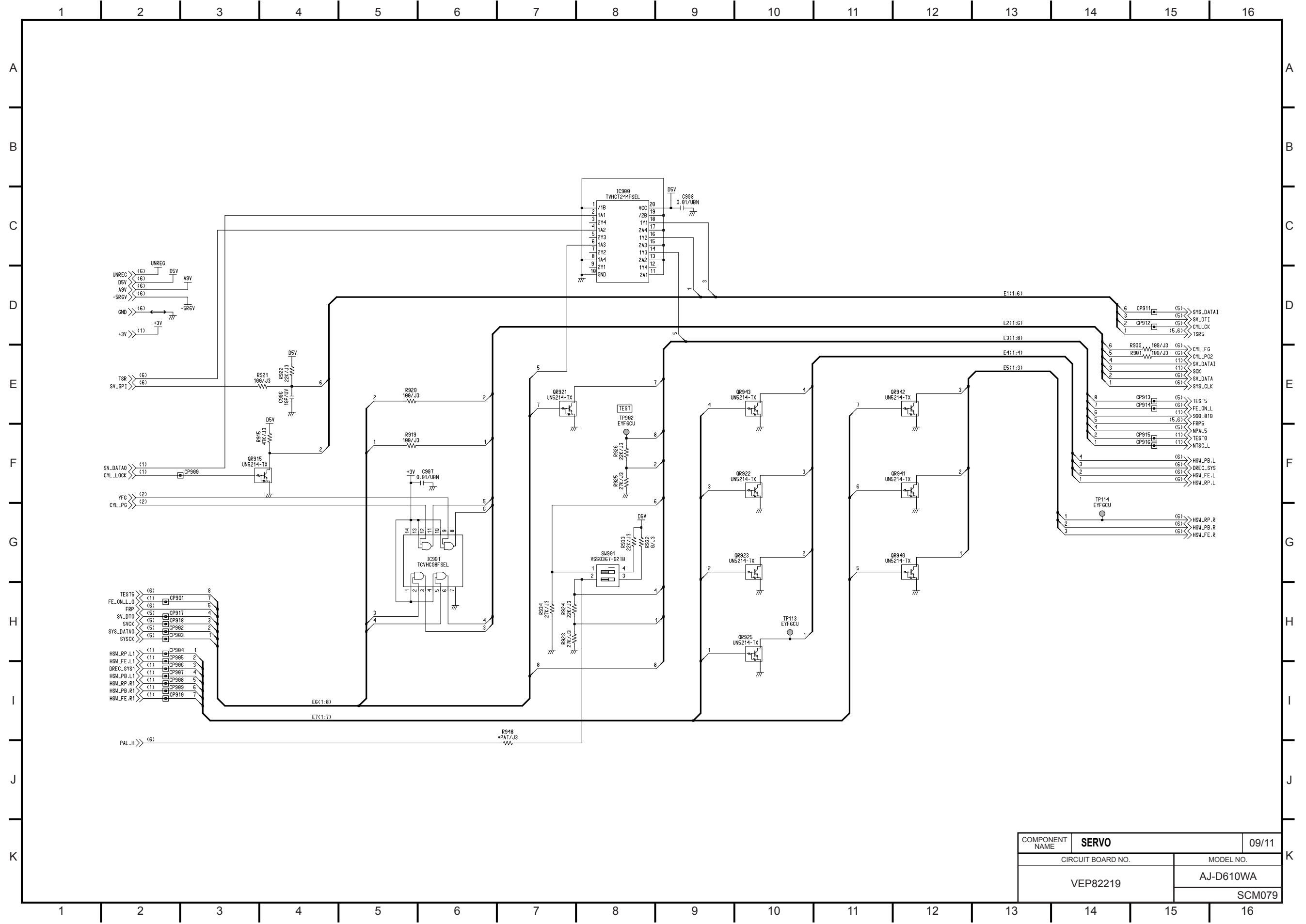
COMPONENT NAME	SERVO		06/11
	CIRCUIT BOARD NO.		MODEL NO.
	VEP82219		AJ-D610WA
			SCM076



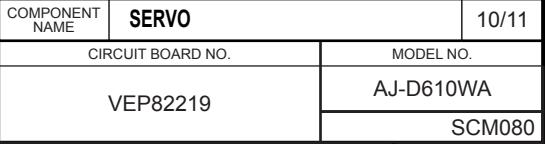
COMPONENT NAME	SERVO	07/11
CIRCUIT BOARD NO.	VEP82219	MODEL NO.
		AJ-D610WA
		SCM077



COMPONENT NAME	SERVO		08/11
	CIRCUIT BOARD NO.		MODEL NO.
	VEP82219		AJ-D610WA
			SCM078

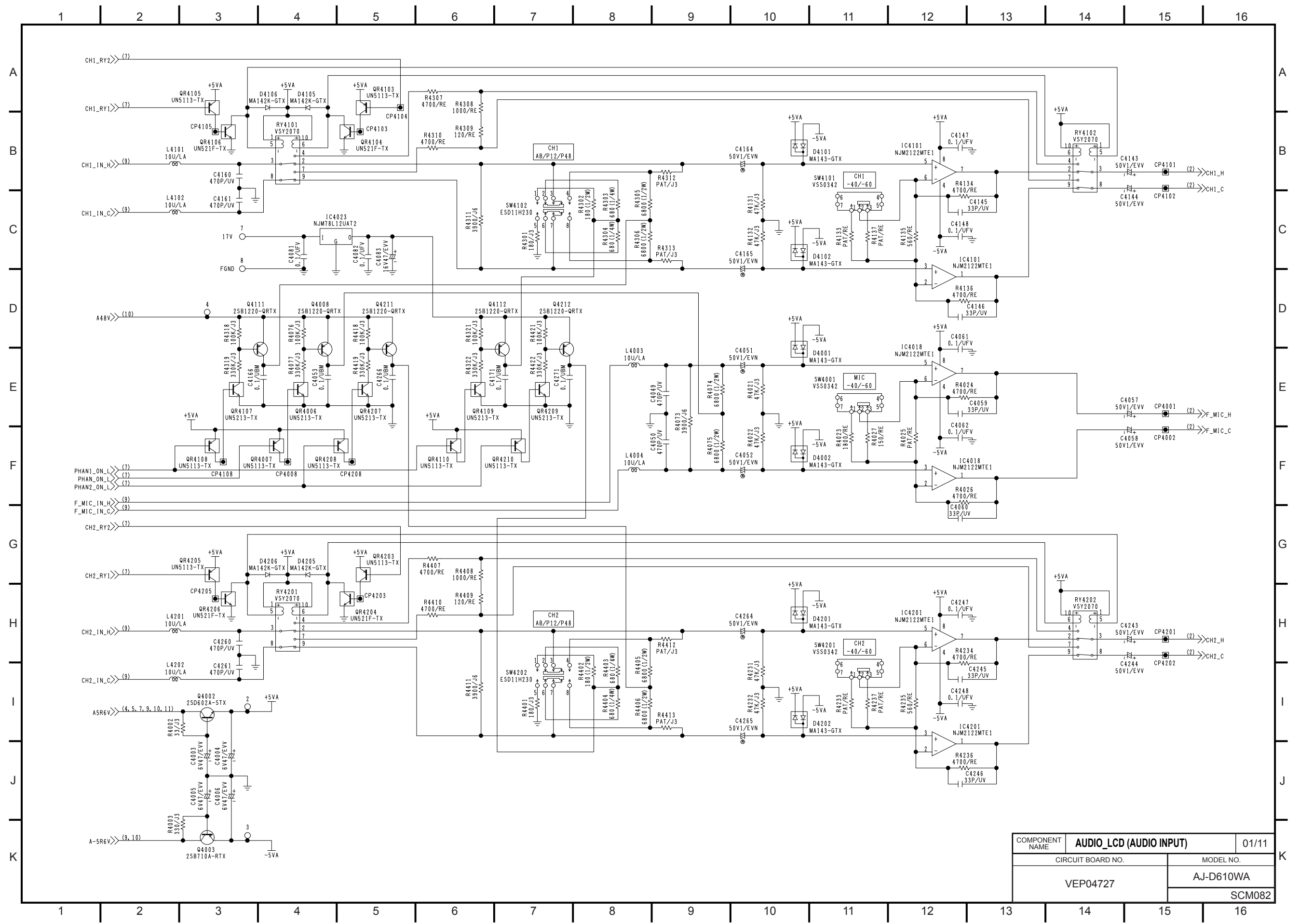


COMPONENT NAME	SERVO	09/11
CIRCUIT BOARD NO.		MODEL NO.
VEP82219		AJ-D610WA
		SCM079



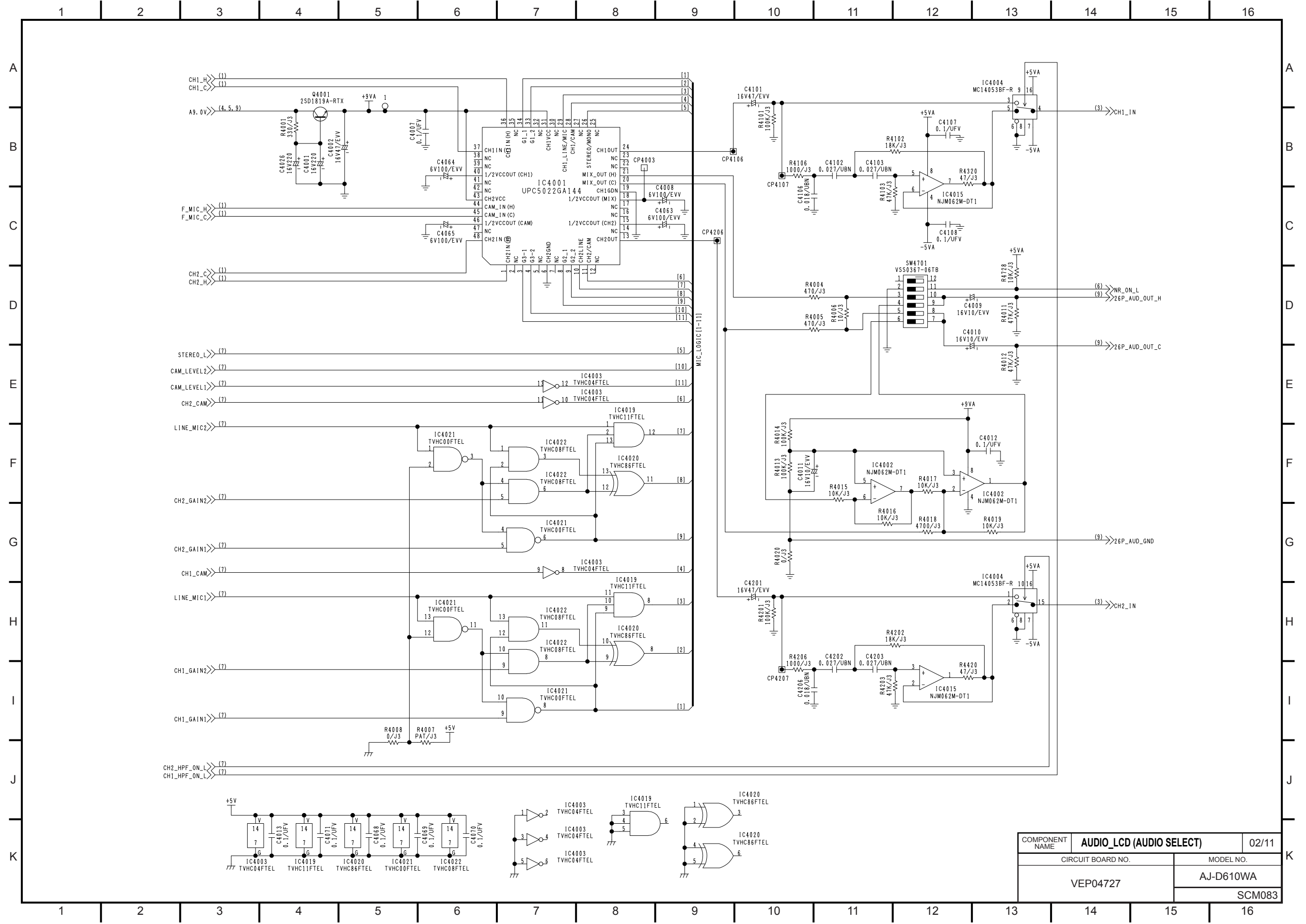




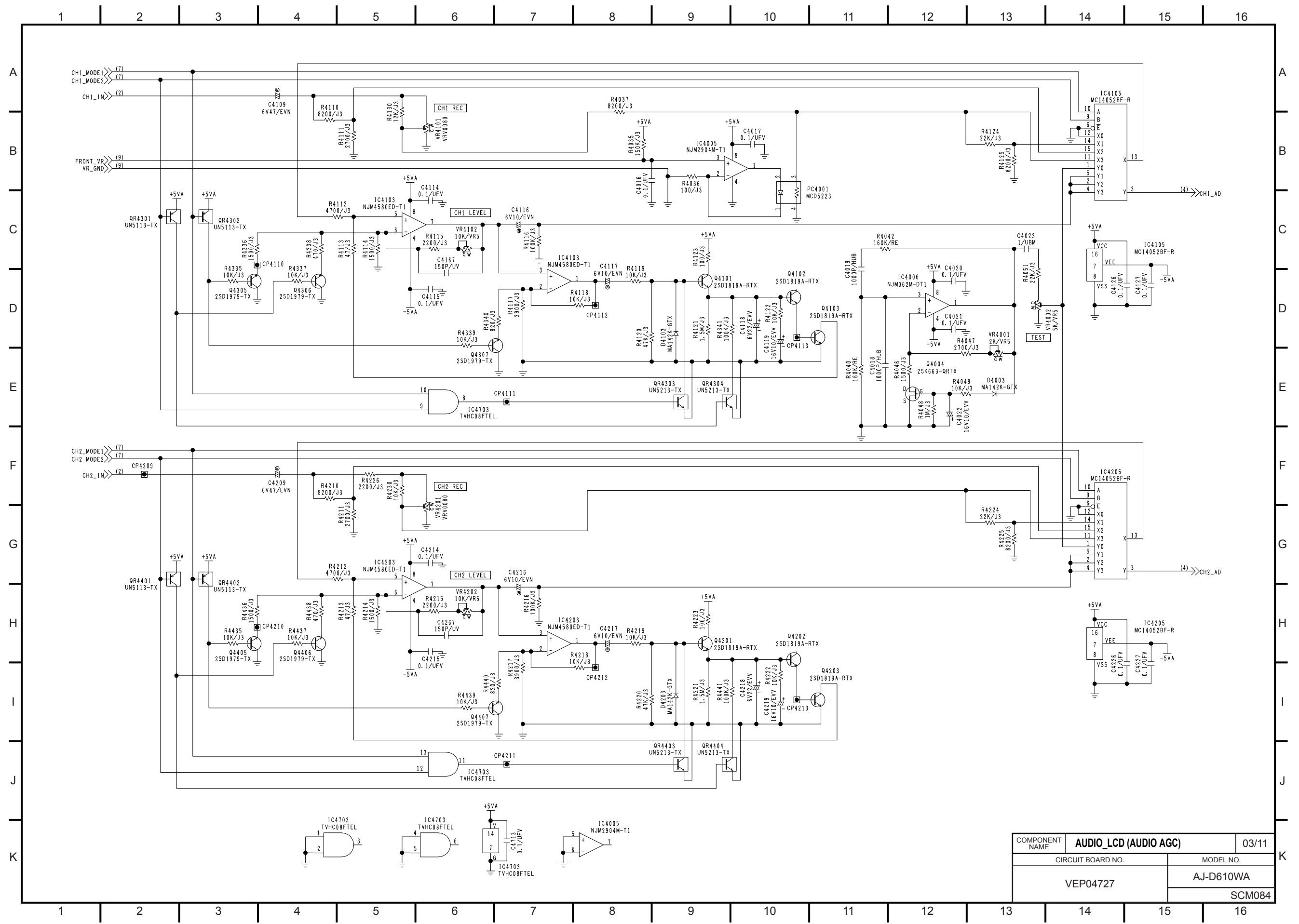


COMPONENT NAME	AUDIO_LCD (AUDIO INPUT)	01/11
CIRCUIT BOARD NO.		MODEL NO.
VEP04727		AJ-D610WA
		SCM082





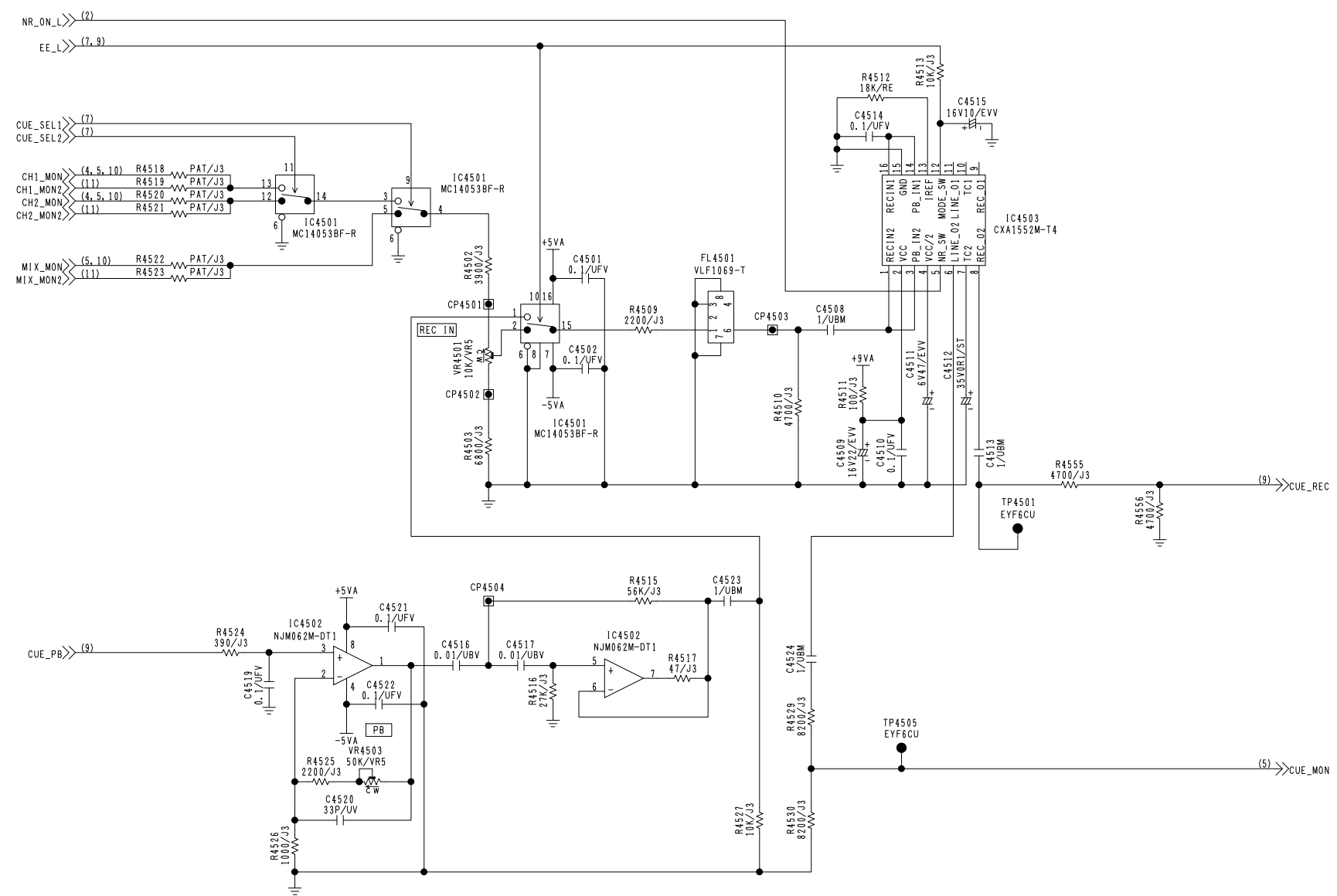
COMPONENT NAME	AUDIO_LCD (AUDIO SELECT)		02/11
	CIRCUIT BOARD NO.		MODEL NO.
VEP04727		AJ-D610WA	
		SCM083	



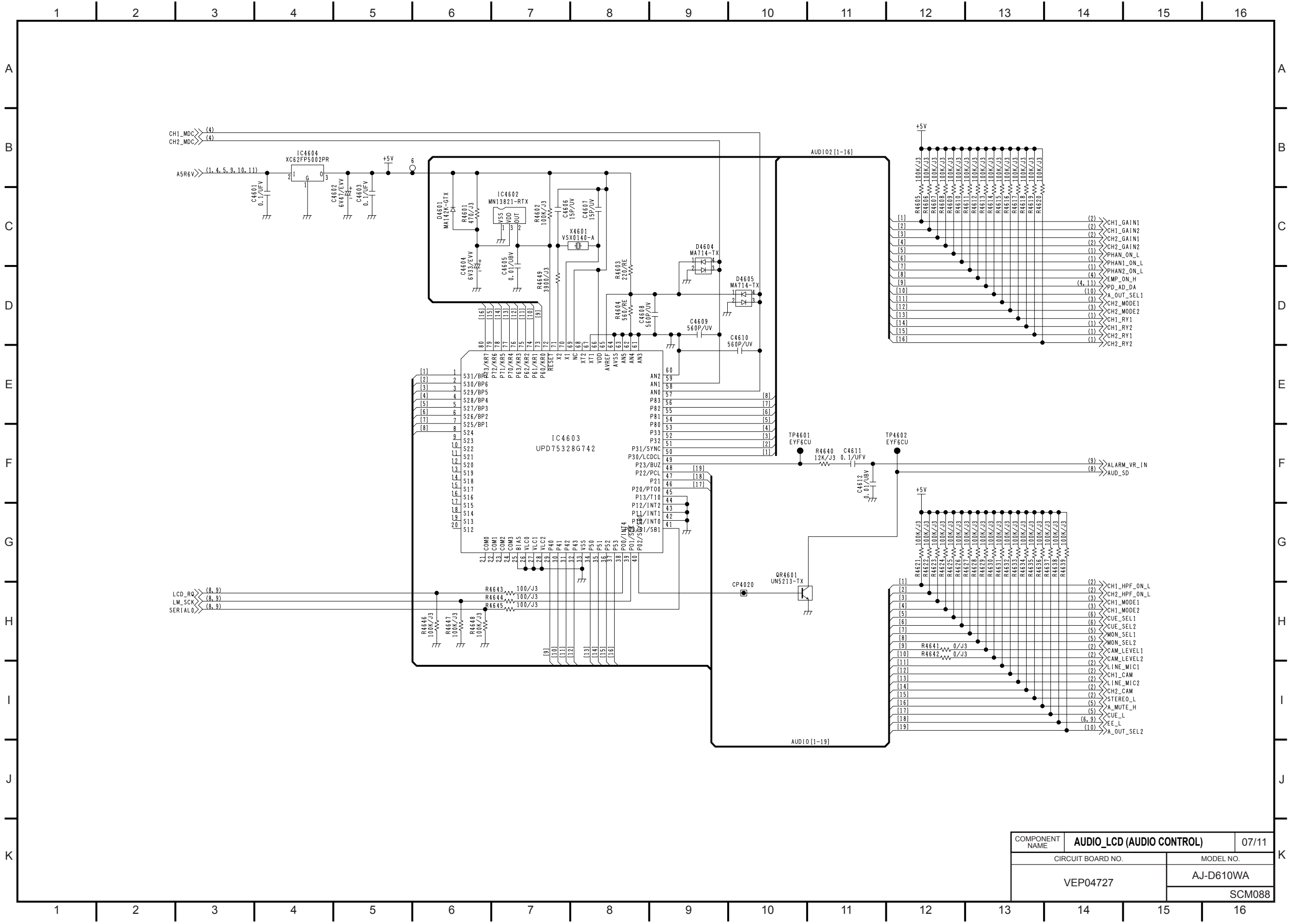
COMPONENT NAME	AUDIO_LCD (AUDIO AGC)		03/11
	CIRCUIT BOARD NO.		
	VEP04727	MODEL NO.	
		AJ-D610WA	
		SCM084	

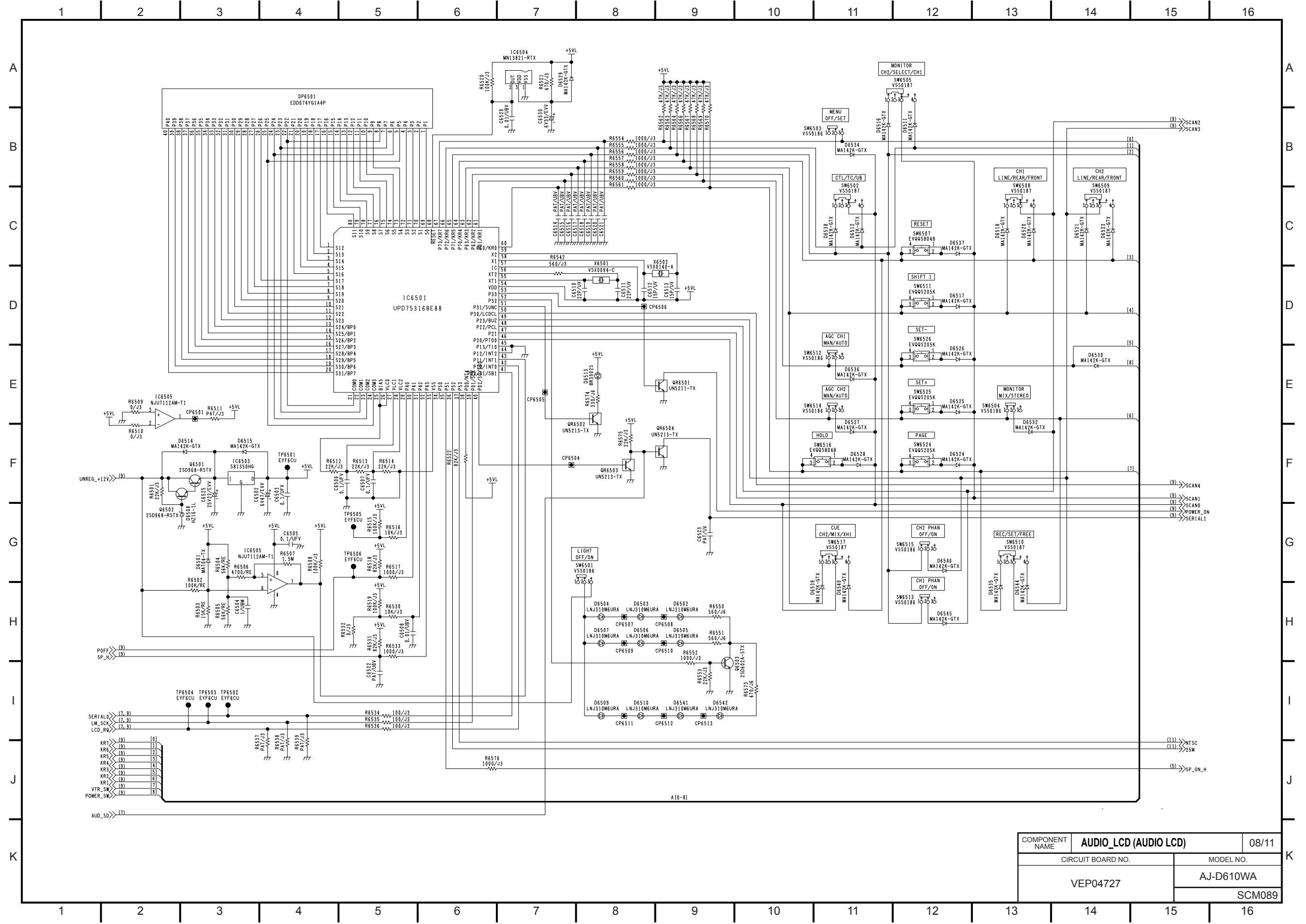




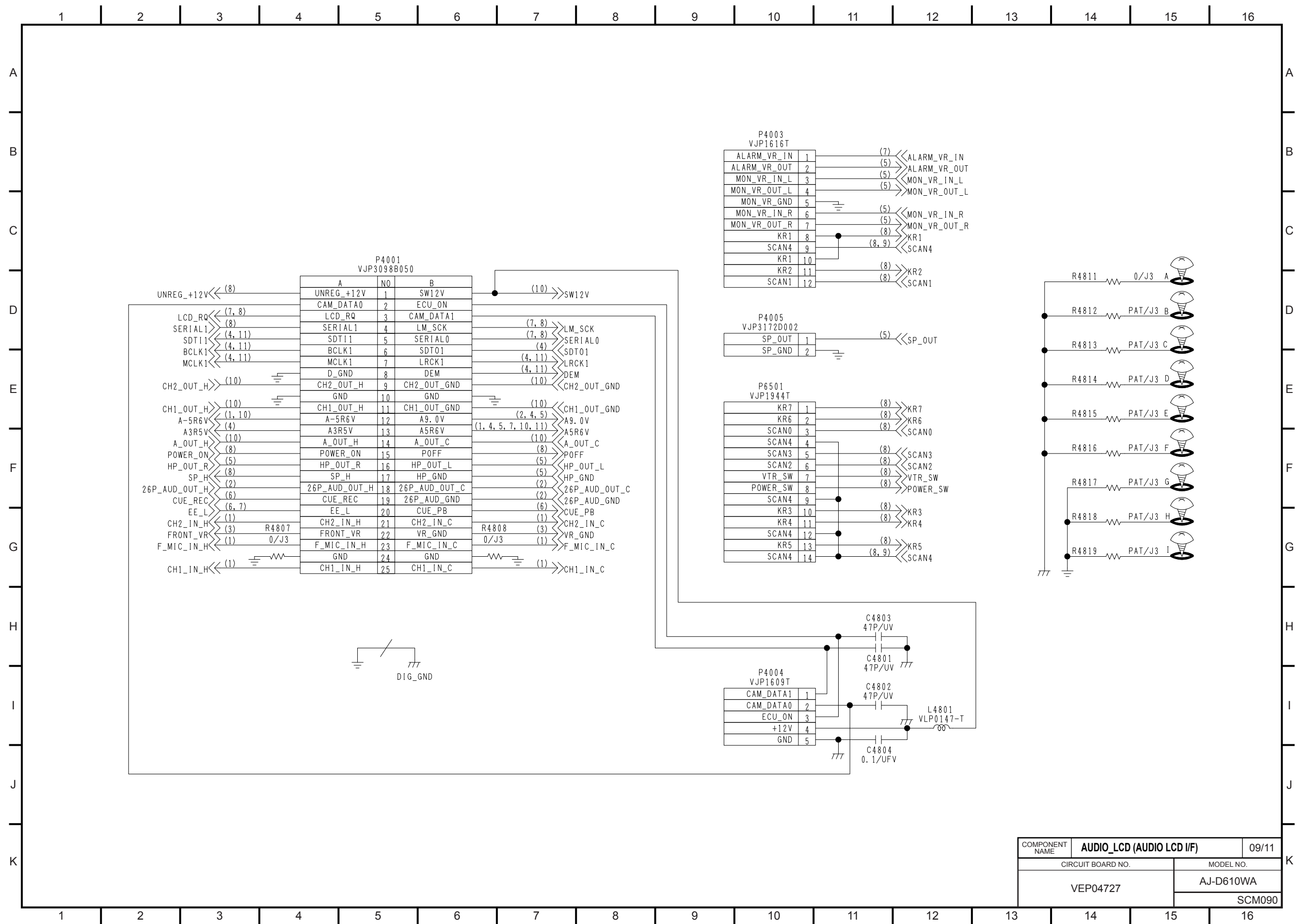


COMPONENT NAME	AUDIO_LCD (AUDIO CUE)		06/11
CIRCUIT BOARD NO.		MODEL NO.	
VEP04727		AJ-D610WA	
		SCM087	



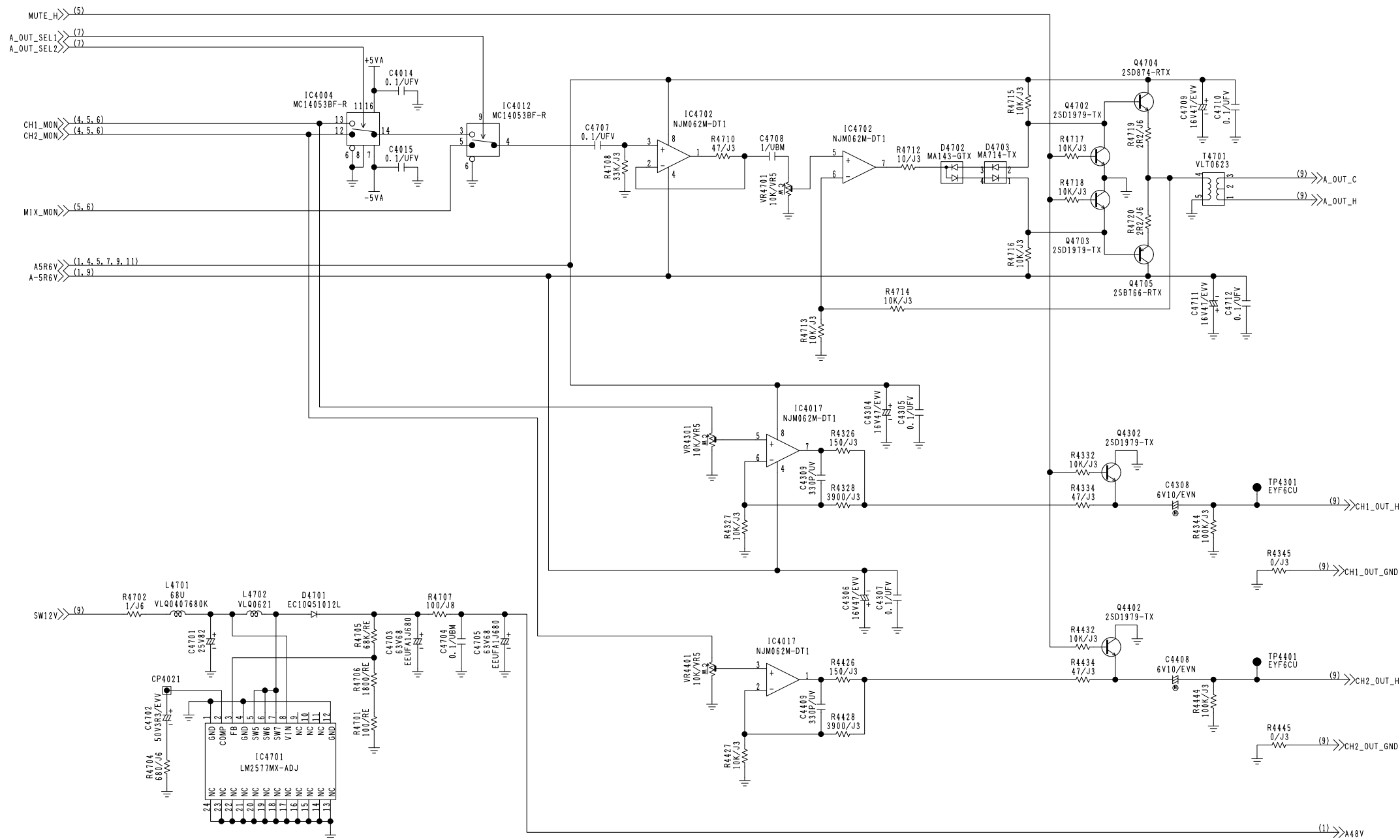


COMPONENT NAME	AUDIO_LCD (AUDIO LCD)	08/11
CIRCUIT BOARD NO.		MODEL NO.
VEP04727		AJ-D610WA
		SCM089

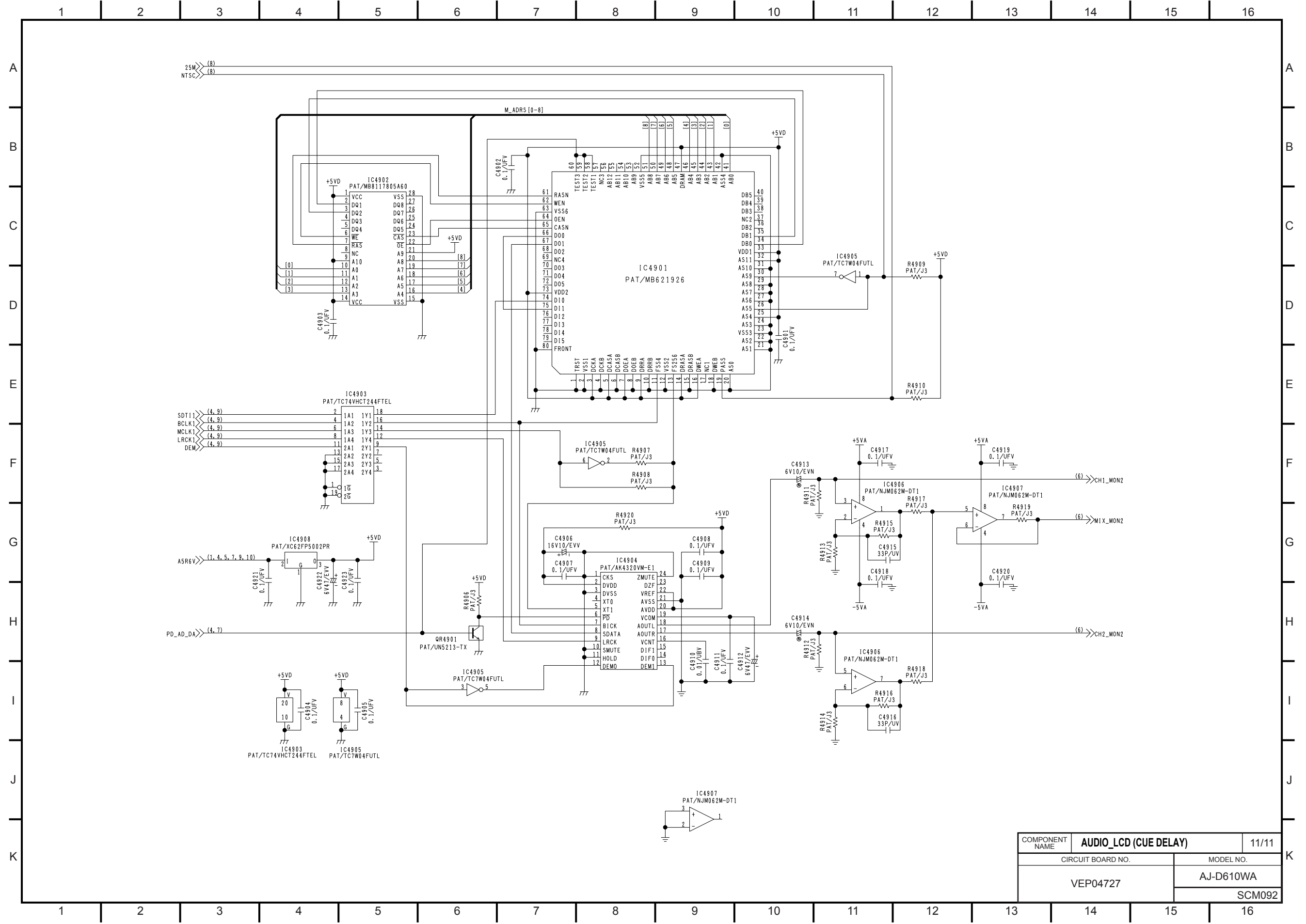


COMPONENT NAME	AUDIO_LCD (AUDIO LCD I/F)	09/11
CIRCUIT BOARD NO.		MODEL NO.
VEP04727		AJ-D610WA
		SCM090

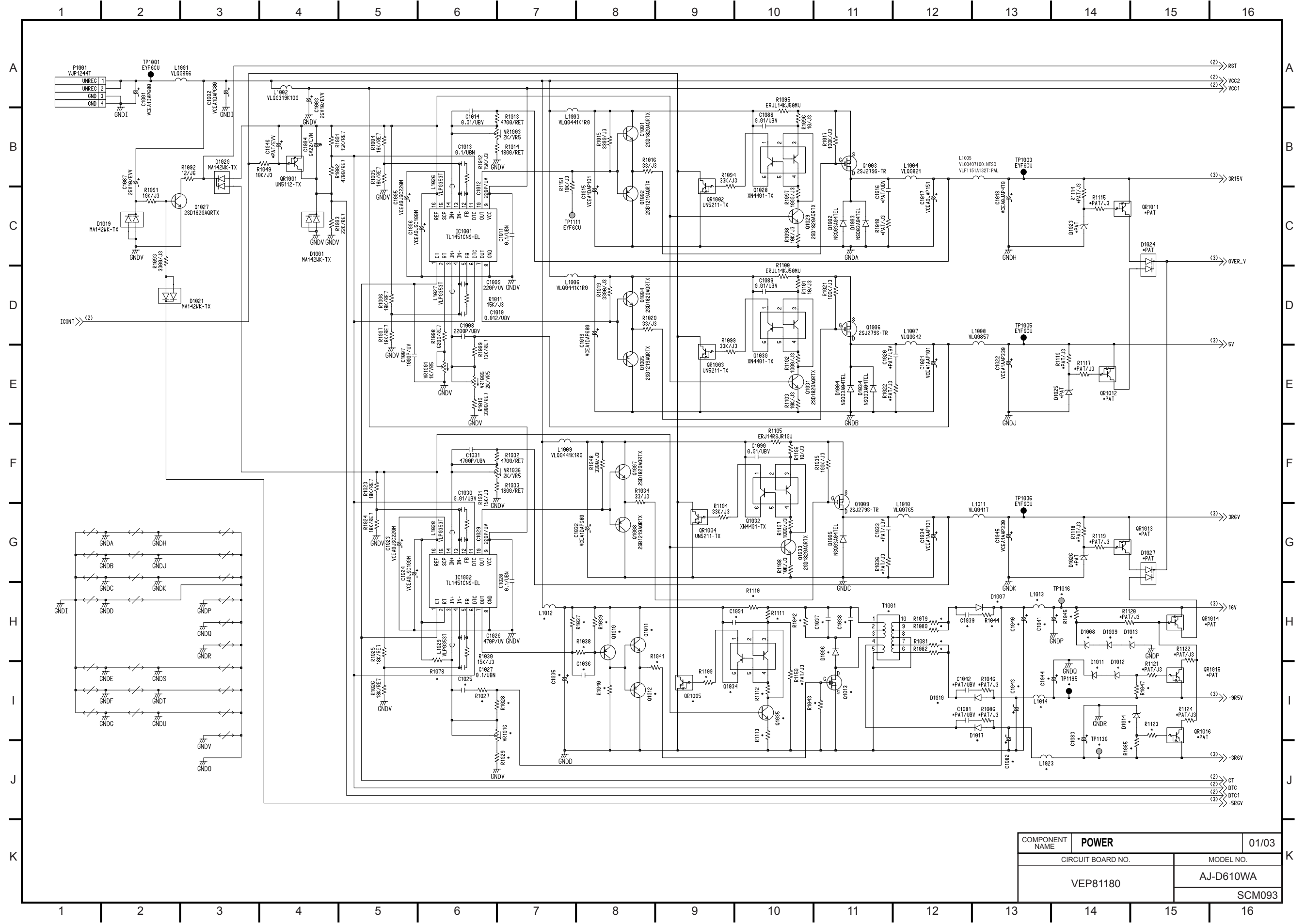




COMPONENT NAME	AUDIO_LCD (AUDIO OUT)		10/11
	CIRCUIT BOARD NO.	MODEL NO.	
VEP04727		AJ-D610WA	SCM091

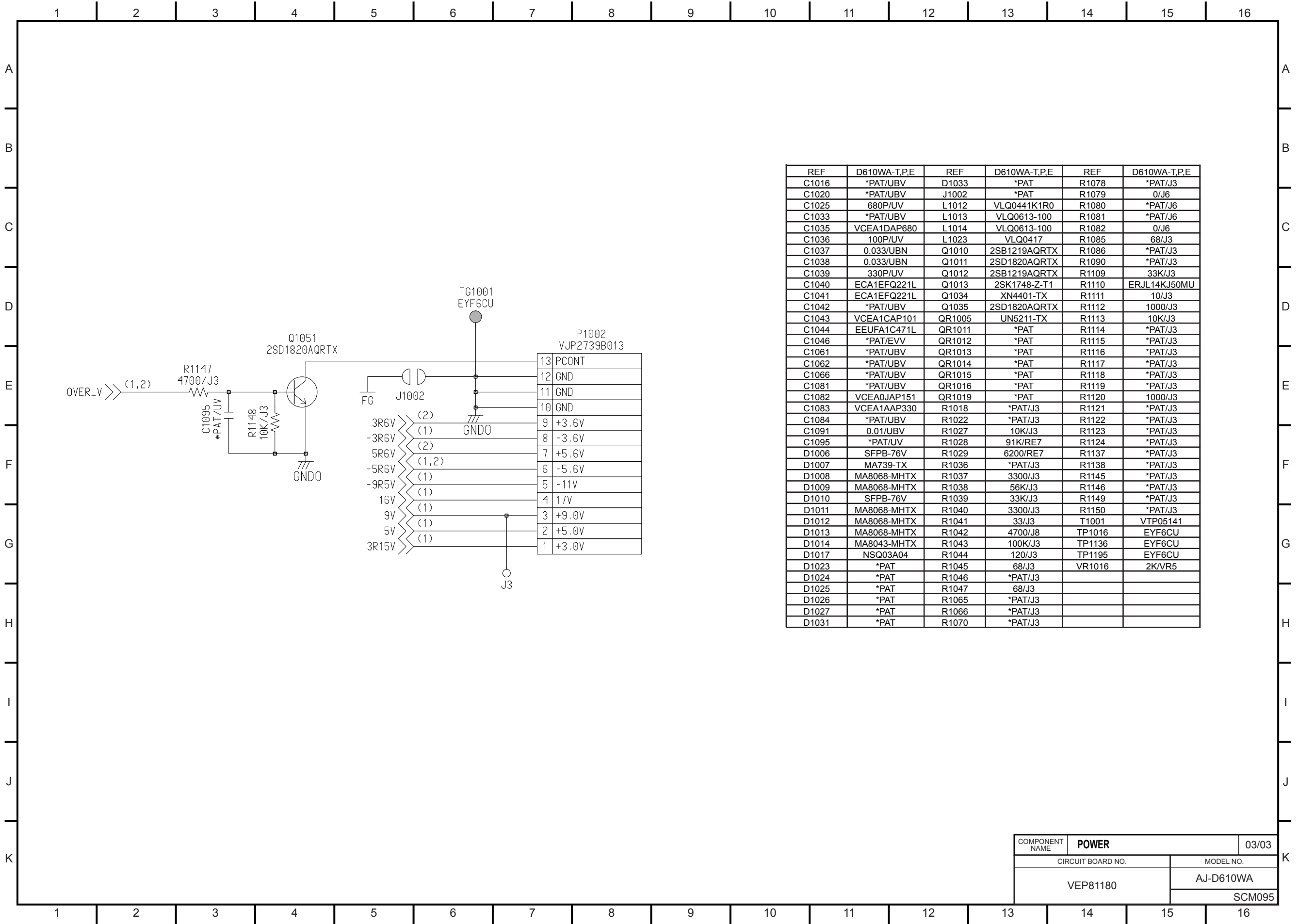


COMPONENT NAME	AUDIO_LCD (CUE DELAY)	11/11
CIRCUIT BOARD NO.		MODEL NO.
VEP04727		AJ-D610WA
		SCM092



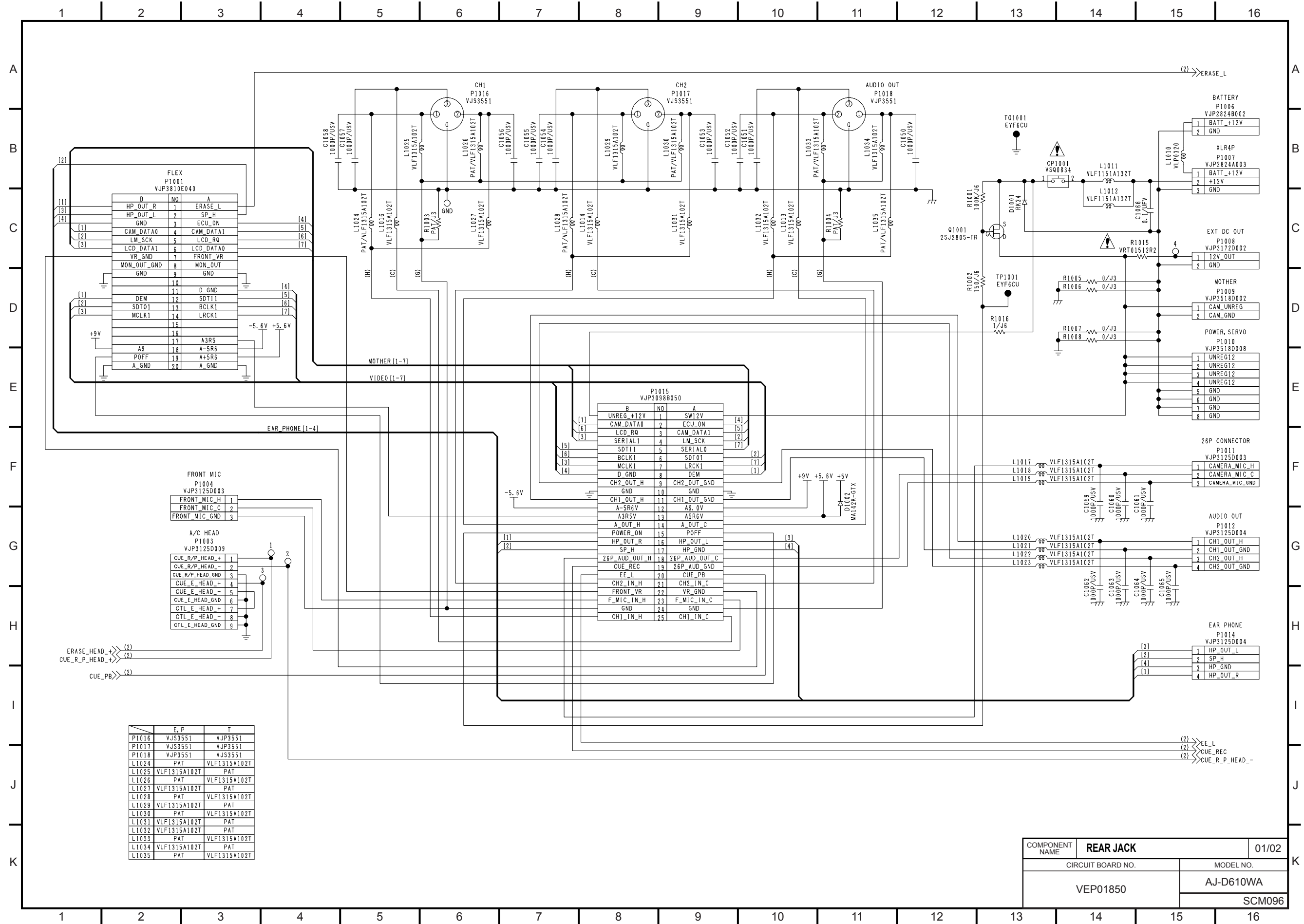
COMPONENT NAME	POWER	01/03
	CIRCUIT BOARD NO.	MODEL NO.
VEP81180		AJ-D610WA
		SCM093

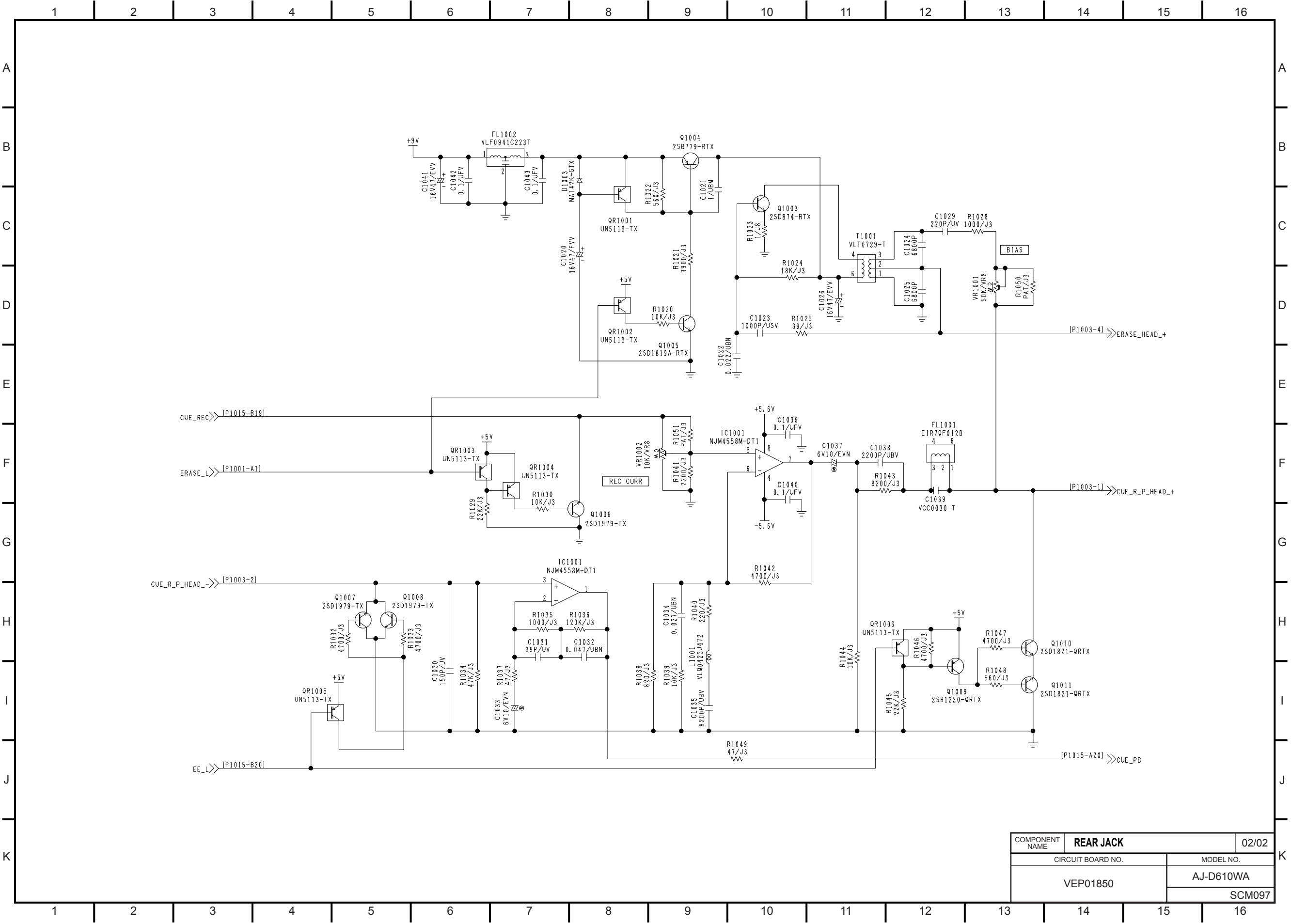




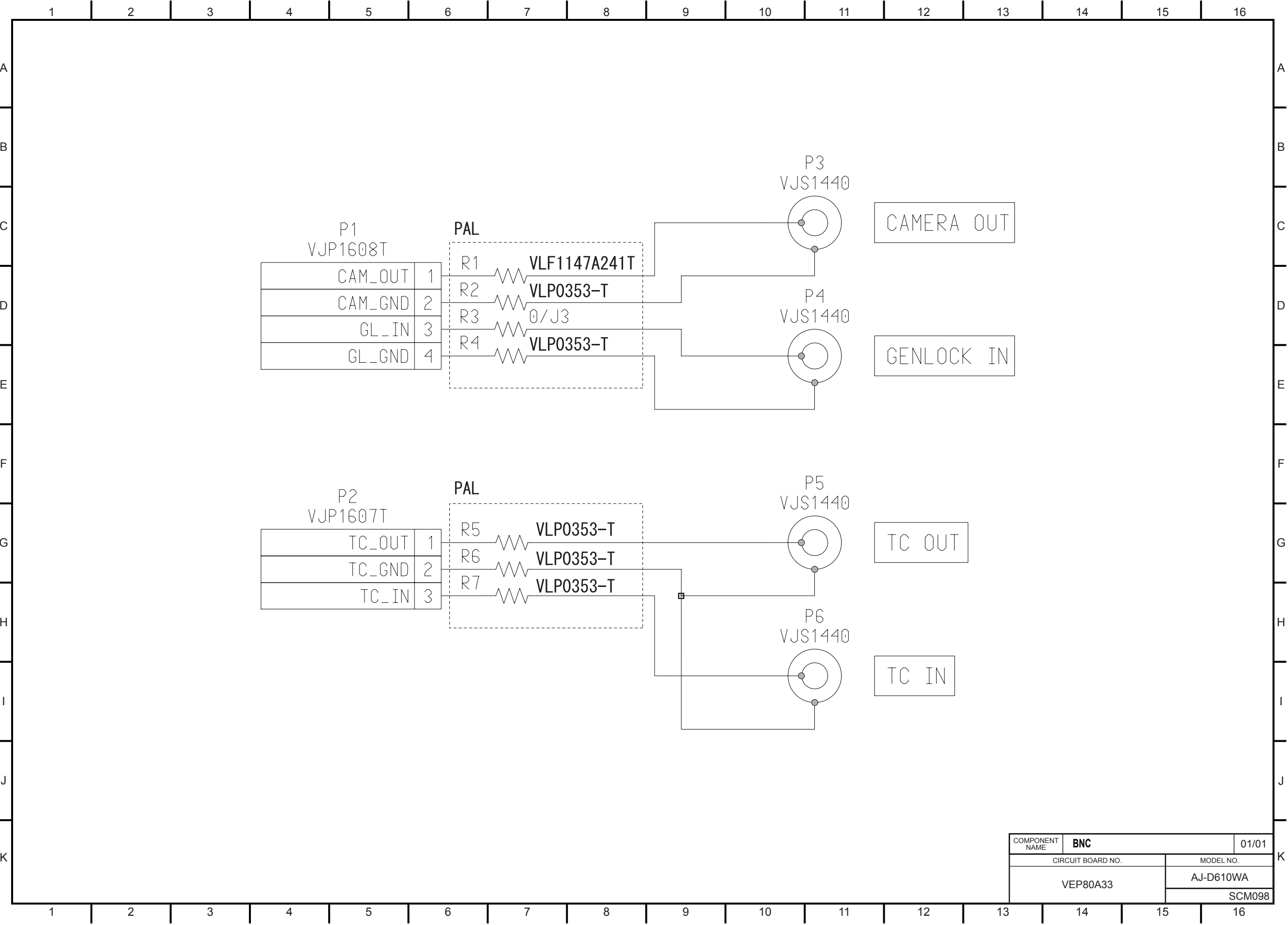
REF	D610WA-T,P,E	REF	D610WA-T,P,E	REF	D610WA-T,P,E
C1016	*PAT/UBV	D1033	*PAT	R1078	*PAT/J3
C1020	*PAT/UBV	J1002	*PAT	R1079	0/J6
C1025	680P/UV	L1012	VLQ0441K1R0	R1080	*PAT/J6
C1033	*PAT/UBV	L1013	VLQ0613-100	R1081	*PAT/J6
C1035	VCEA1DAP680	L1014	VLQ0613-100	R1082	0/J6
C1036	100P/UV	L1023	VLQ0417	R1085	68/J3
C1037	0.033/UBN	Q1010	2SB1219AQRTX	R1086	*PAT/J3
C1038	0.033/UBN	Q1011	2SD1820AQRTX	R1090	*PAT/J3
C1039	330P/UV	Q1012	2SB1219AQRTX	R1109	33K/J3
C1040	ECA1EFQ221L	Q1013	2SK1748-Z-T1	R1110	ERJL14KJ50MU
C1041	ECA1EFQ221L	Q1034	XN4401-TX	R1111	10/J3
C1042	*PAT/UBV	Q1035	2SD1820AQRTX	R1112	1000/J3
C1043	VCEA1CAP101	QR1005	UN5211-TX	R1113	10K/J3
C1044	EEUFA1C471L	QR1011	*PAT	R1114	*PAT/J3
C1046	*PAT/EVV	QR1012	*PAT	R1115	*PAT/J3
C1061	*PAT/UBV	QR1013	*PAT	R1116	*PAT/J3
C1062	*PAT/UBV	QR1014	*PAT	R1117	*PAT/J3
C1066	*PAT/UBV	QR1015	*PAT	R1118	*PAT/J3
C1081	*PAT/UBV	QR1016	*PAT	R1119	*PAT/J3
C1082	VCEA0JAP151	QR1019	*PAT	R1120	1000/J3
C1083	VCEA1AAP330	R1018	*PAT/J3	R1121	*PAT/J3
C1084	*PAT/UBV	R1022	*PAT/J3	R1122	*PAT/J3
C1091	0.01/UBV	R1027	10K/J3	R1123	*PAT/J3
C1095	*PAT/UV	R1028	91K/RE7	R1124	*PAT/J3
D1006	SFPB-76V	R1029	6200/RE7	R1137	*PAT/J3
D1007	MA739-TX	R1036	*PAT/J3	R1138	*PAT/J3
D1008	MA8068-MHTX	R1037	3300/J3	R1145	*PAT/J3
D1009	MA8068-MHTX	R1038	56K/J3	R1146	*PAT/J3
D1010	SFPB-76V	R1039	33K/J3	R1149	*PAT/J3
D1011	MA8068-MHTX	R1040	3300/J3	R1150	*PAT/J3
D1012	MA8068-MHTX	R1041	33/J3	T1001	VTP05141
D1013	MA8068-MHTX	R1042	4700/J8	TP1016	EYF6CU
D1014	MA8043-MHTX	R1043	100K/J3	TP1136	EYF6CU
D1017	NSQ03A04	R1044	120/J3	TP1195	EYF6CU
D1023	*PAT	R1045	68/J3	VR1016	2K/VR5
D1024	*PAT	R1046	*PAT/J3		
D1025	*PAT	R1047	68/J3		
D1026	*PAT	R1065	*PAT/J3		
D1027	*PAT	R1066	*PAT/J3		
D1031	*PAT	R1070	*PAT/J3		

COMPONENT NAME	POWER	03/03
CIRCUIT BOARD NO.		MODEL NO.
VEP81180		AJ-D610WA
		SCM095

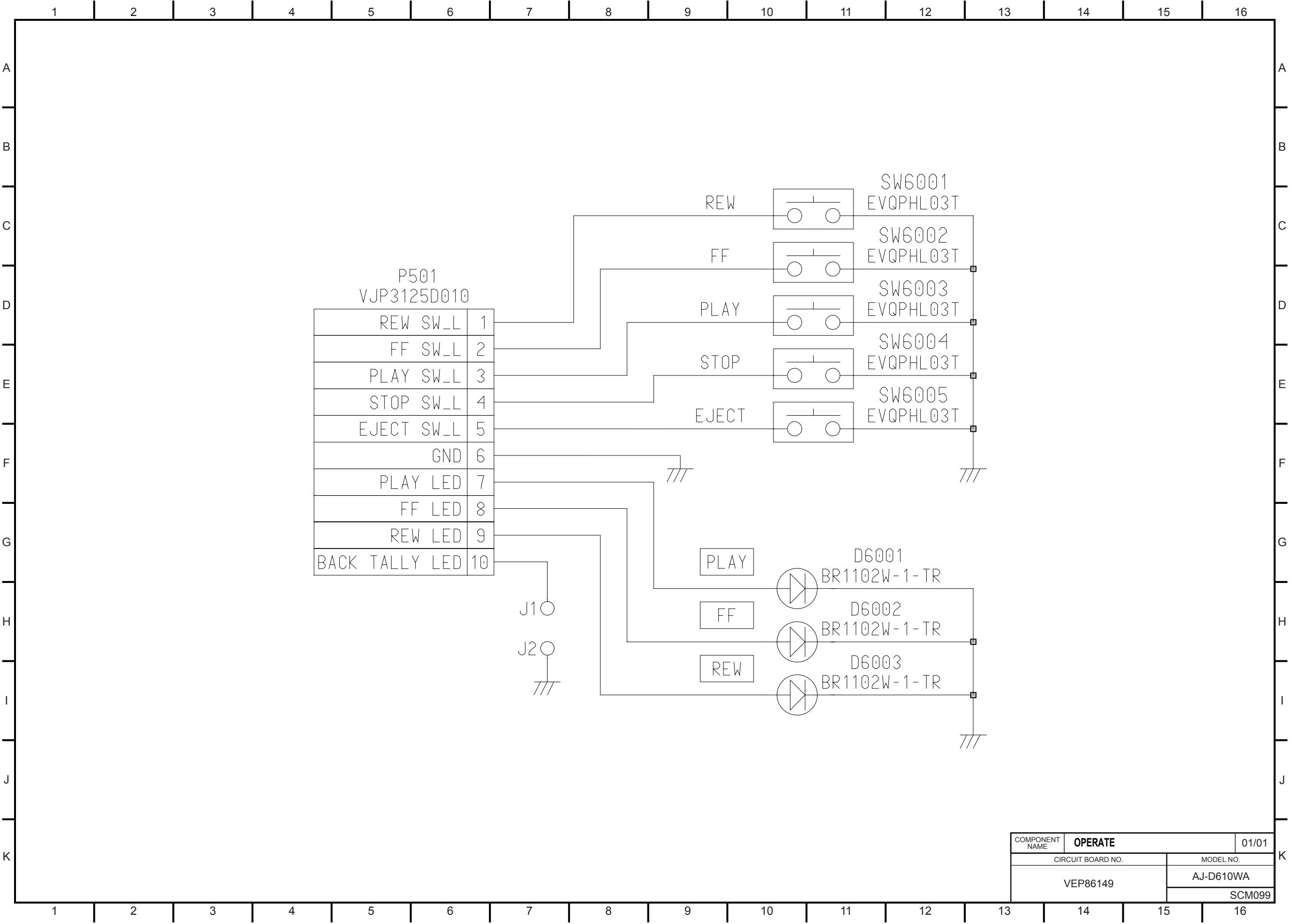


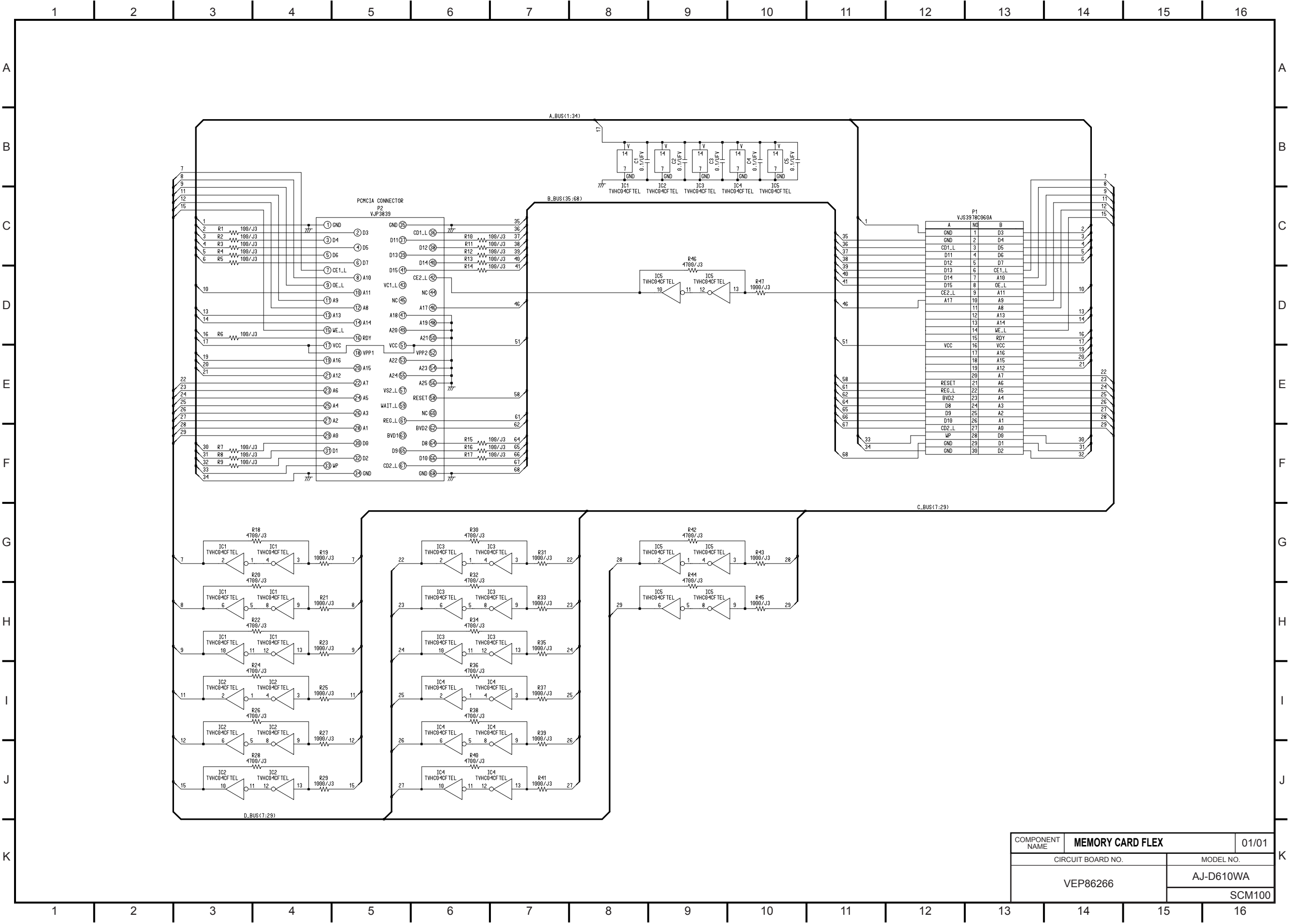


COMPONENT NAME	REAR JACK	02/02
CIRCUIT BOARD NO.	VEP01850	MODEL NO.
		AJ-D610WA
		SCM097

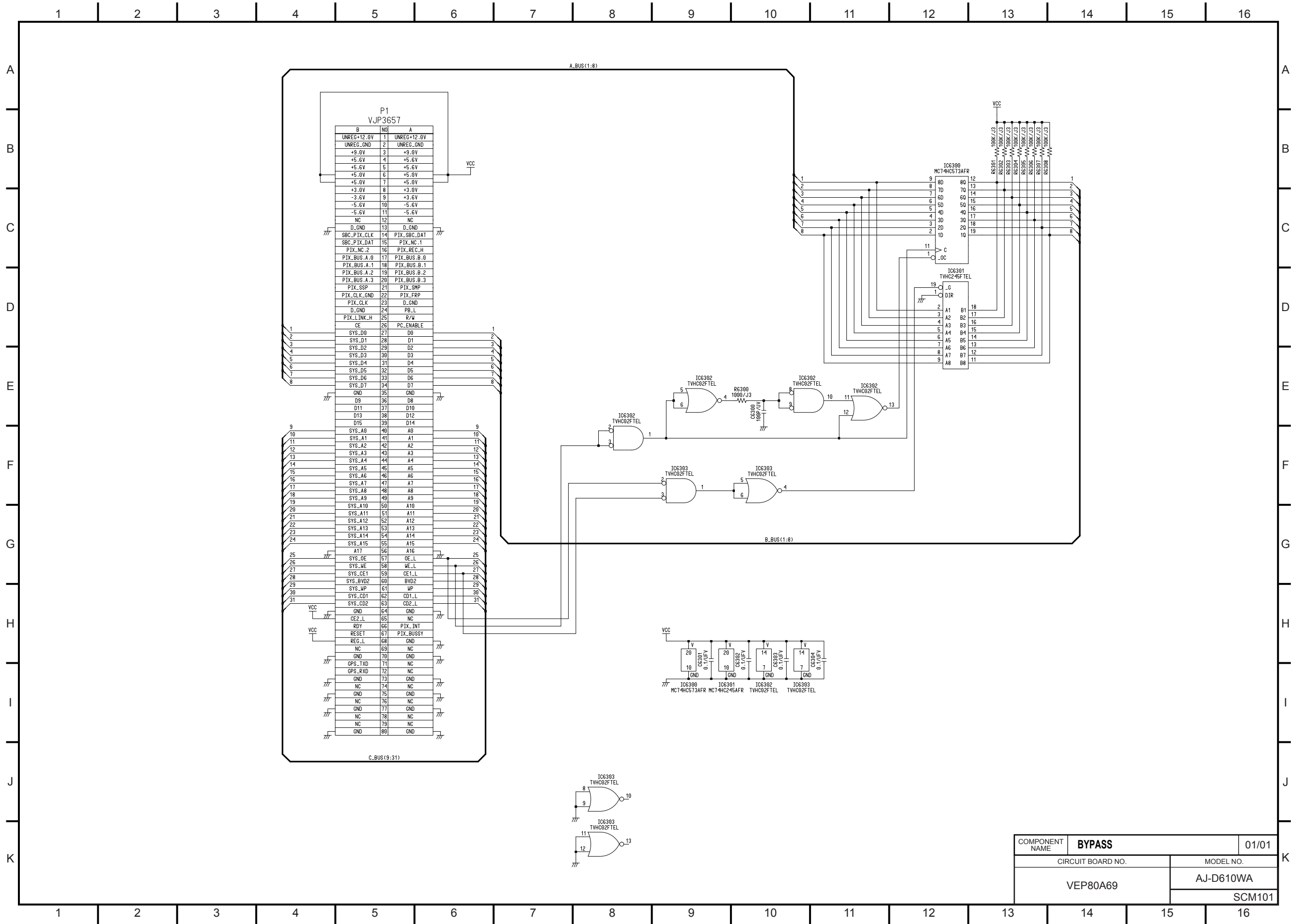




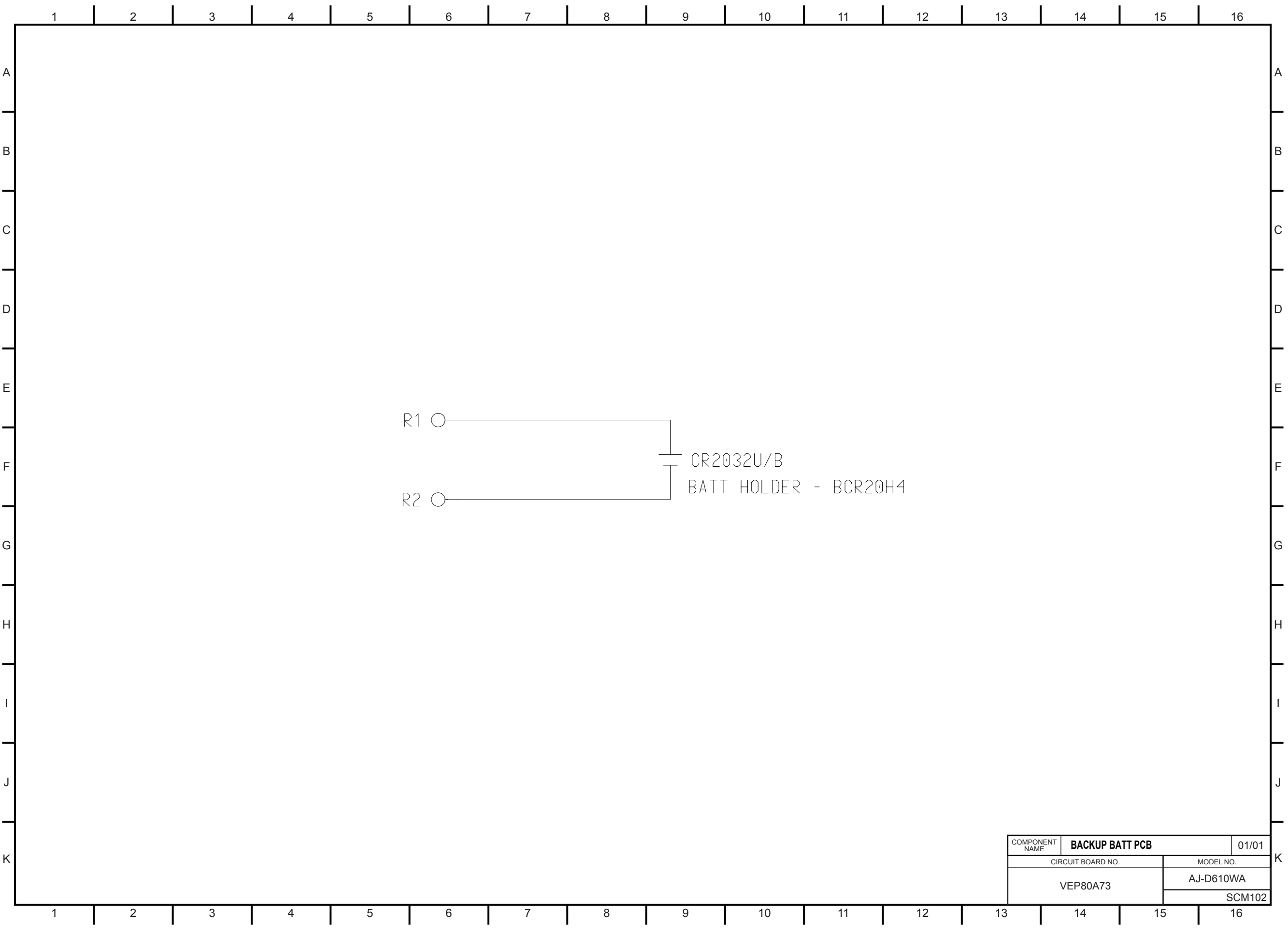




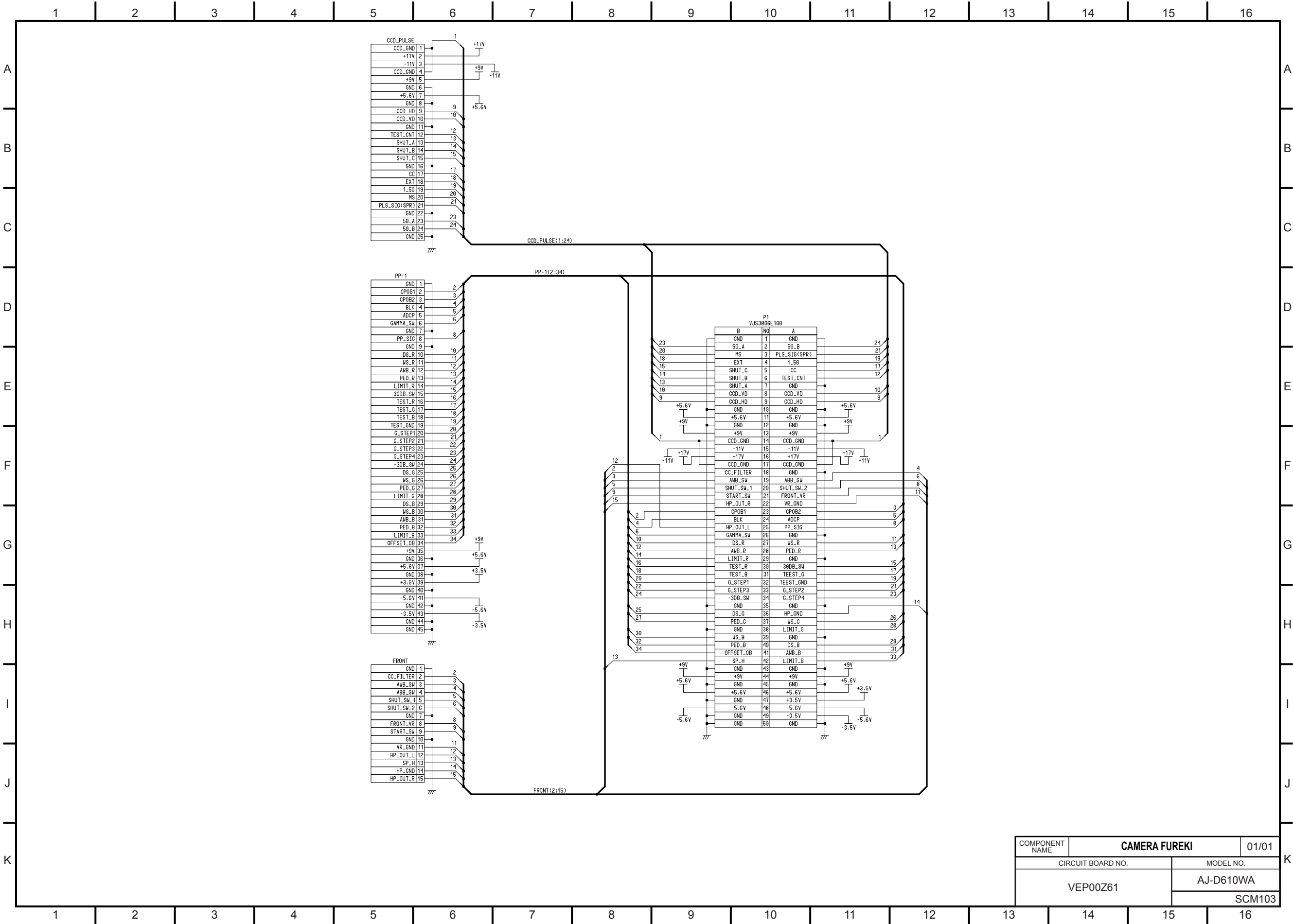
COMPONENT NAME	MEMORY CARD FLEX	01/01
CIRCUIT BOARD NO.		MODEL NO.
VEP86266		AJ-D610WA
		SCM100

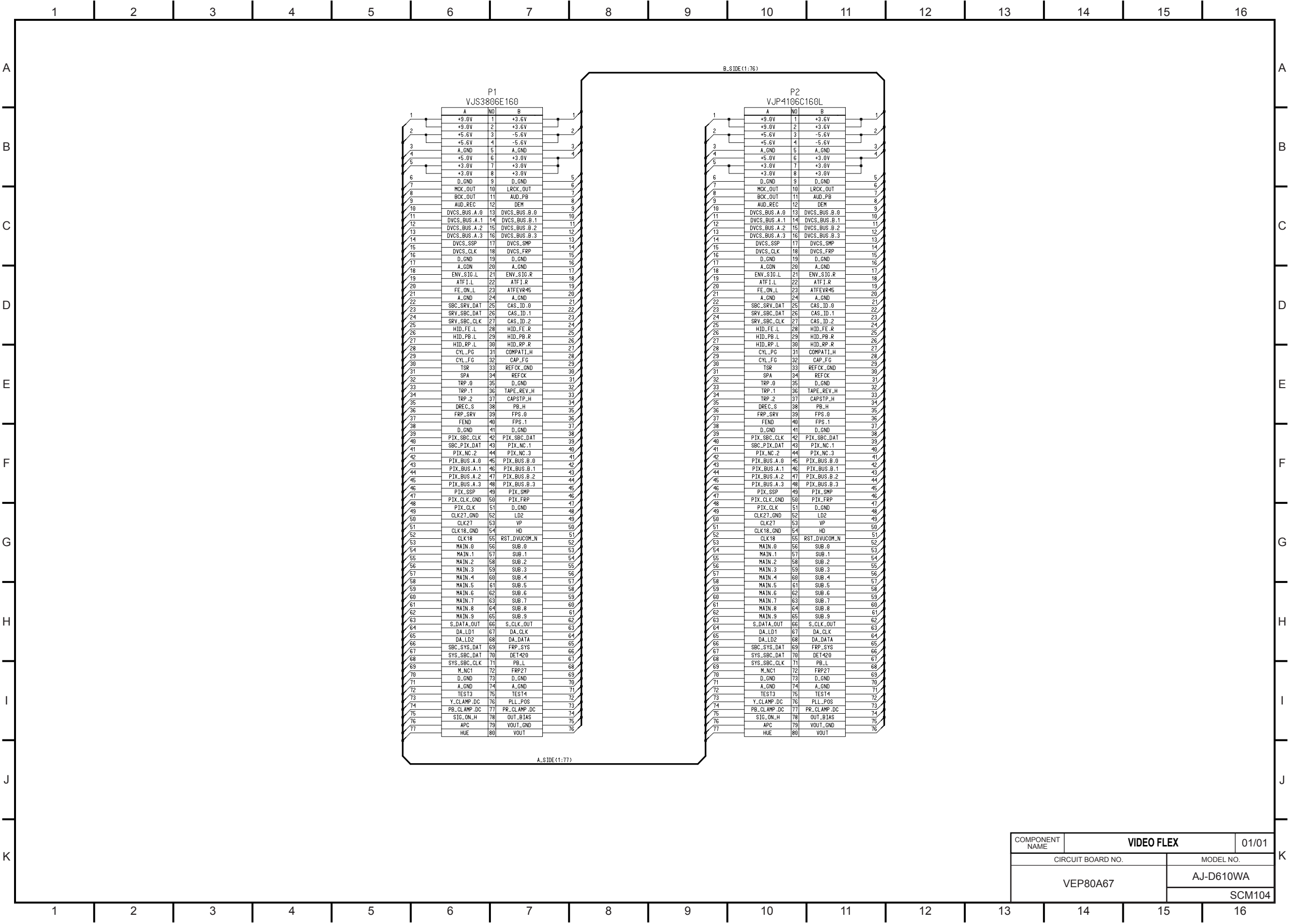


COMPONENT NAME	BYPASS	01/01
CIRCUIT BOARD NO.	VEP80A69	MODEL NO. AJ-D610WA
		SCM101

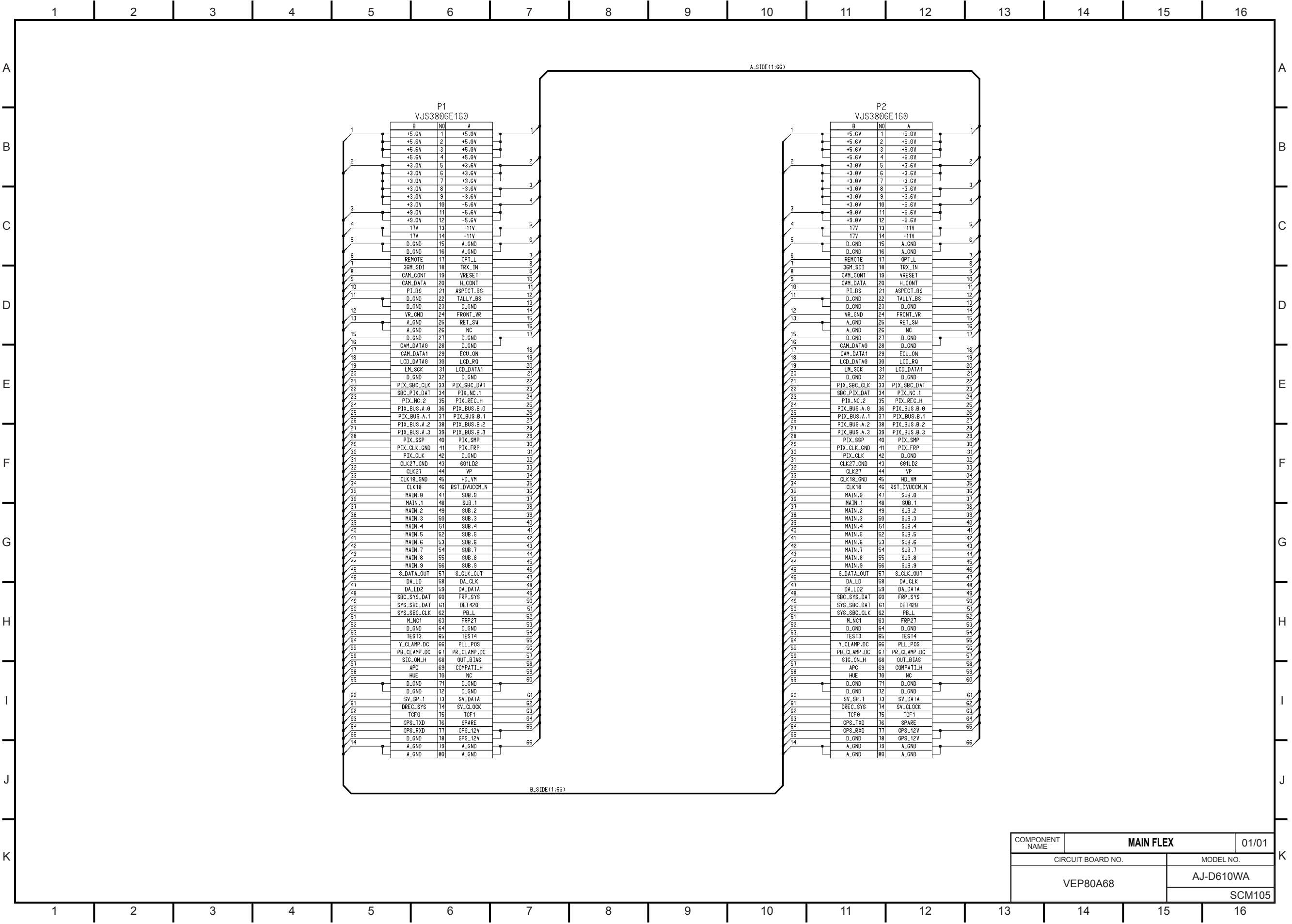


COMPONENT NAME	BACKUP BATT PCB		01/01
CIRCUIT BOARD NO.		MODEL NO.	
VEP80A73		AJ-D610WA	
		SCM102	

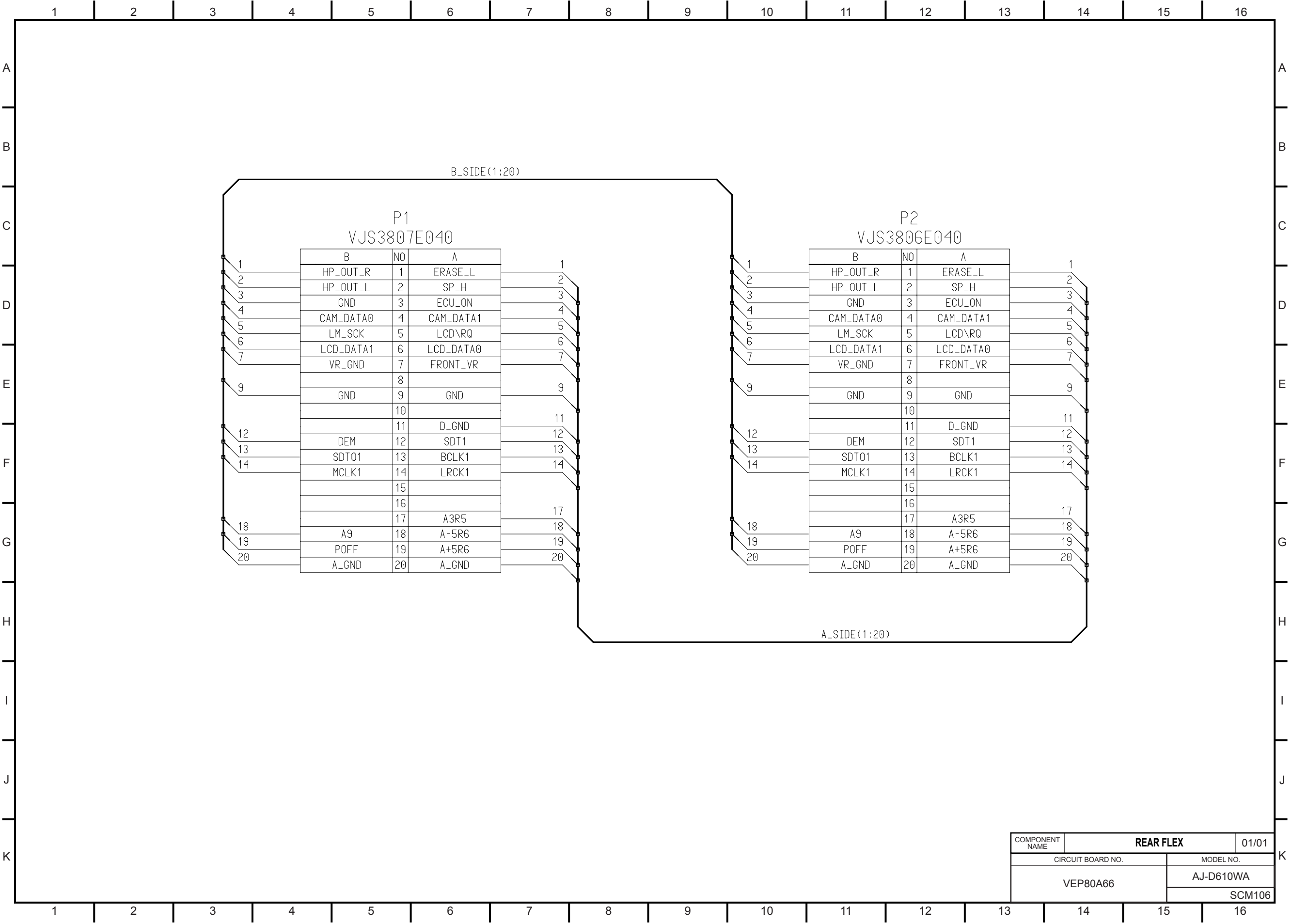




COMPONENT NAME	VIDEO FLEX		01/01
	CIRCUIT BOARD NO.		MODEL NO.
	VEP80A67		AJ-D610WA
			SCM104



COMPONENT NAME	MAIN FLEX	01/01
CIRCUIT BOARD NO.	VEP80A68	MODEL NO. AJ-D610WA
		SCM105



COMPONENT NAME	REAR FLEX		01/01
CIRCUIT BOARD NO.		MODEL NO.	
VEP80A66		AJ-D610WA	
		SCM106	




# SECTION 7





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## CIRCUIT BOARD DIAGRAMS


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**IMPORTANT SAFETY NOTICE:**

Components identified with the mark  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING   
FOR ORDERING.   
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST.   
AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS   
DRAWING WAS PREPARED.

**CAUTION**

THE  MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.  
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

# CONTENTS

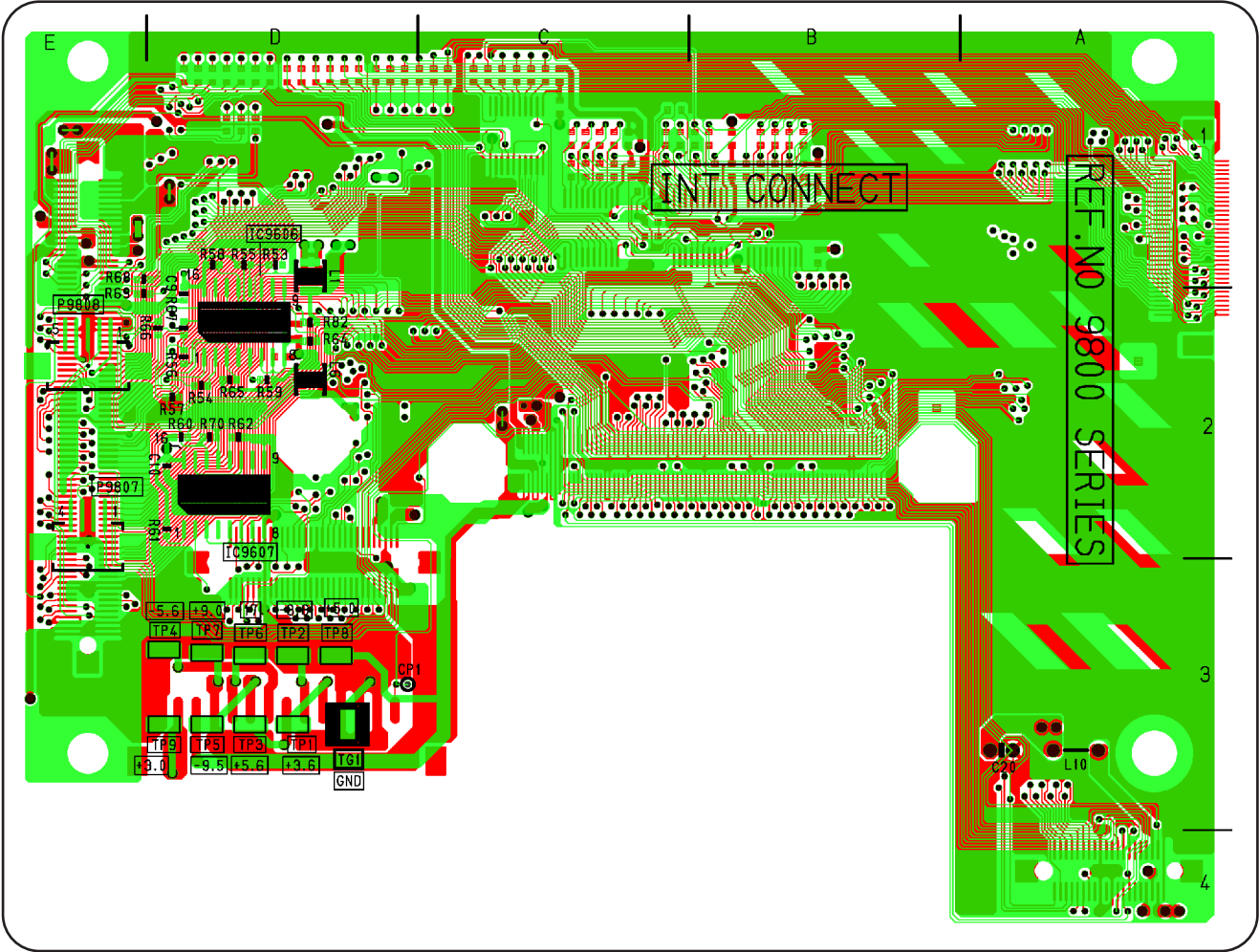
## CIRCUIT BOARD DIAGRAMS

INT CONNECT P.C.BOARD(VEP80A65B).....	PTN-1
MOTHER P.C.BOARD(VEP00Z41G[NTSC]) (VEP00Z41H[PAL])).....	PTN-2
CCD PULSE P.C.BOARD(VEP20768C[NTSC]) (VEP20768D[PAL])).....	PTN-3
CCD P.C.BOARD(VEP20759A) .....	PTN-4
PRE AMP P.C.BOARD(VEP25118B[NTSC]) (VEP25118C[PAL]) .....	PTN-5
PRE PROCESS P.C.BOARD(VEP23486D) .....	PTN-6
DSP MAIN P.C.BOARD(VEP23487C[NTSC]) (VEP23487D[PAL]) .....	PTN-7
CAMERA ENC P.C.BOARD(VEP23484C[NTSC]) (VEP23484B[PAL]).....	PTN-8
CAMERA SYSCON P.C.BOARD(VEP26202F[NTSC]) (VEP26202E[PAL]) .....	PTN-9
CAMERA SYNC P.C.BOARD(VEP23480A[NTSC]) (VEP23480B[PAL])).....	PTN-10
VIDEO MAIN P.C.BOARD(VEP83377G[NTSC]) (VEP83377F[PAL]) .....	PTN-11
VIDEO I/F P.C.BOARD(VEP03E84E[NTSC]) (VEP03E84D[PAL]).....	PTN-12
VIDEO I/F SUB P.C.BOARD(VEP03E85E[NTSC])(VEP03E85D[PAL]).....	PTN-13
RF P.C.BOARD(VEP03E42A) .....	PTN-14
VTR SYSCON P.C.BOARD(VEP06C45L[NTSC]) (VEP06C45K [PAL]).....	PTN-15
SERVO P.C.BOARD(VEP82219C) .....	PTN-16
AUDIO LCD P.C.BOARD(VEP04727B) .....	PTN-18
POWER P.C.BOARD(VEP81180E[NTSC]) (VEP81180F [PAL]) .....	PTN-20
BYPASS P.C.BOARD(VEP80A69A).....	PTN-21
REAR JACK P.C.BOARD(VEP017850B[NTSC]) (VEP01850C[PAL]) .....	PTN-21
OPERATE P.C.BOARD(VEP86149A) .....	PTN-21
ALARM/MONITOR P.C.BOARD (VEP00Z30A) .....	PTN-22
TOGGLE SW P.C.BOARD (VEP00Z31A) .....	PTN-22
SUPER IRIS P.C.BOARD (VEP00Z33A) .....	PTN-22
VAR SHUTTER P.C.BOARD (VEP00Z32A).....	PTN-22
POWER SW P.C.BOARD (VEP00Z35A) .....	PTN-22
FRONT MIC P.C.BOARD (VEP80962A) .....	PTN-22
BACK TALLY P.C.BOARD (VEP80A74A) .....	PTN-22
DC INPUT P.C.BOARD (VEP00X87A) .....	PTN-22

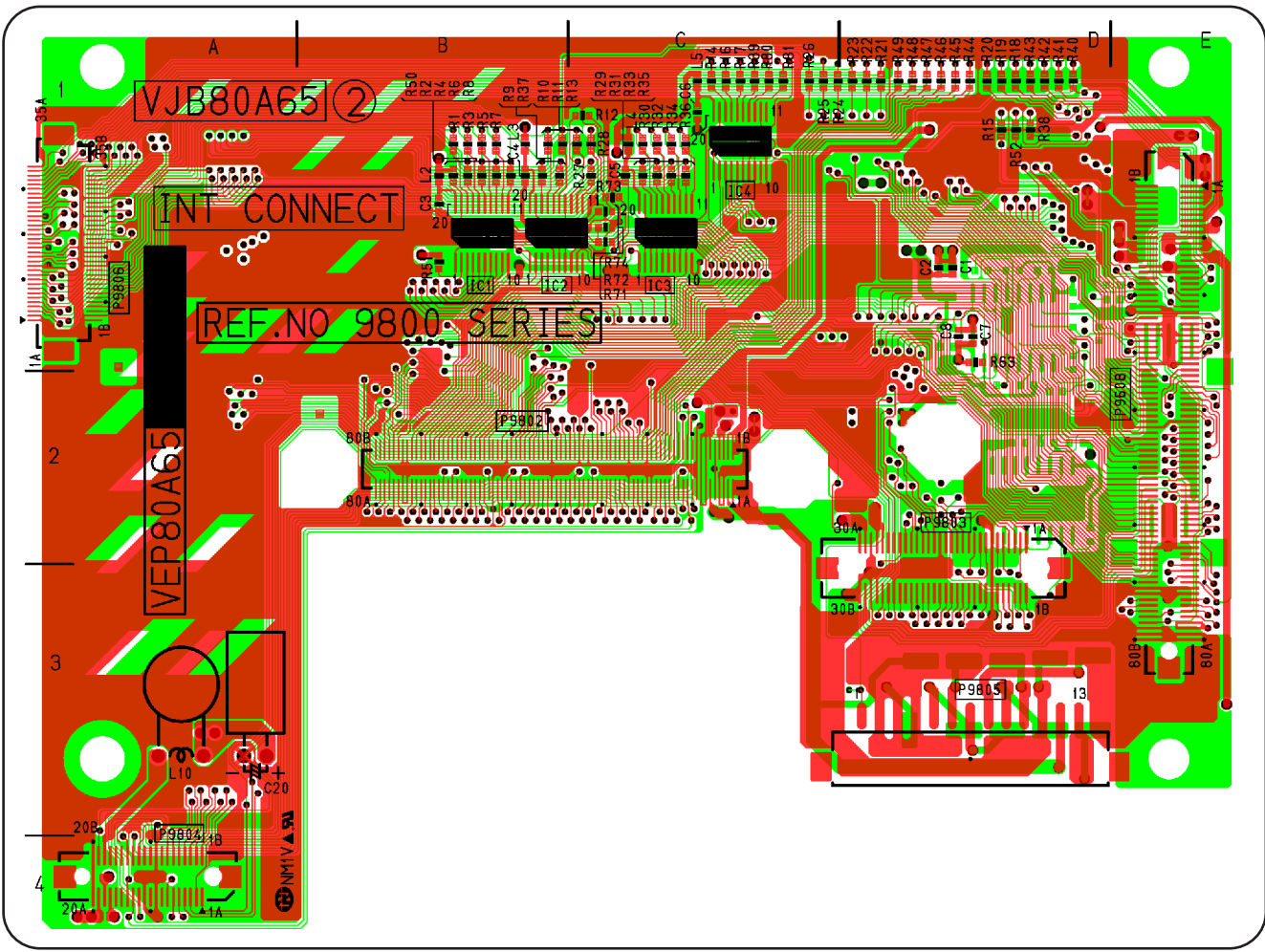
INT CONNECT P.C.BOARD (VEP80A65B)

REF	LOC
IC9606	D1
IC9607	D2
P9807	E2
P9808	E2
TG9801	D3
TP9801	D3
TP9802	D3
TP9803	D3
TP9804	D3
TP9805	D3
TP9806	D3
TP9807	D3
TP9808	D3
TP9809	D3

REF	LOC
IC9801	B1
IC9802	B1
IC9803	C1
IC9804	C1
P9608	E2
P9802	B2
P9803	D3
P9804	A4
P9805	D3
P9806	A1



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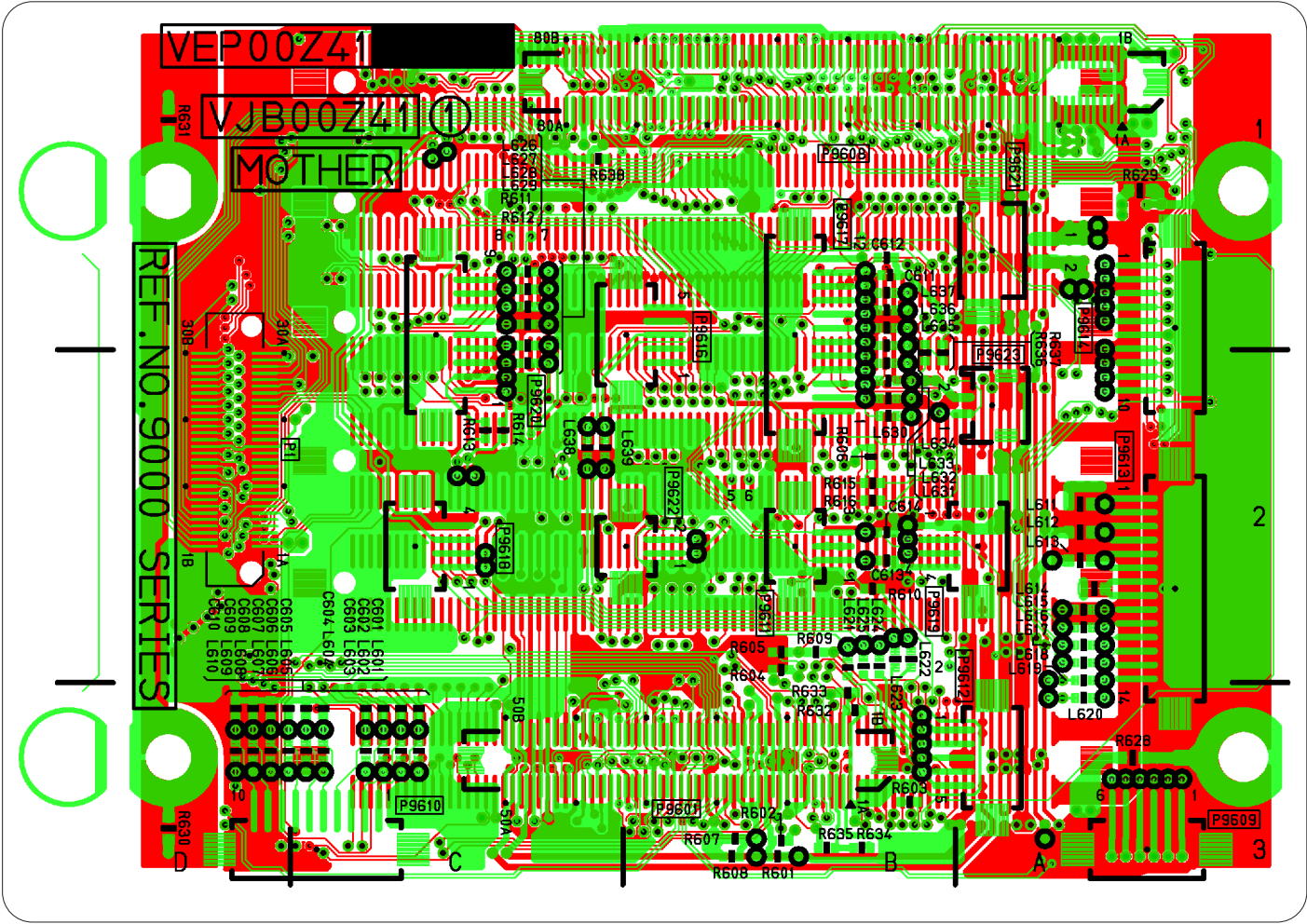


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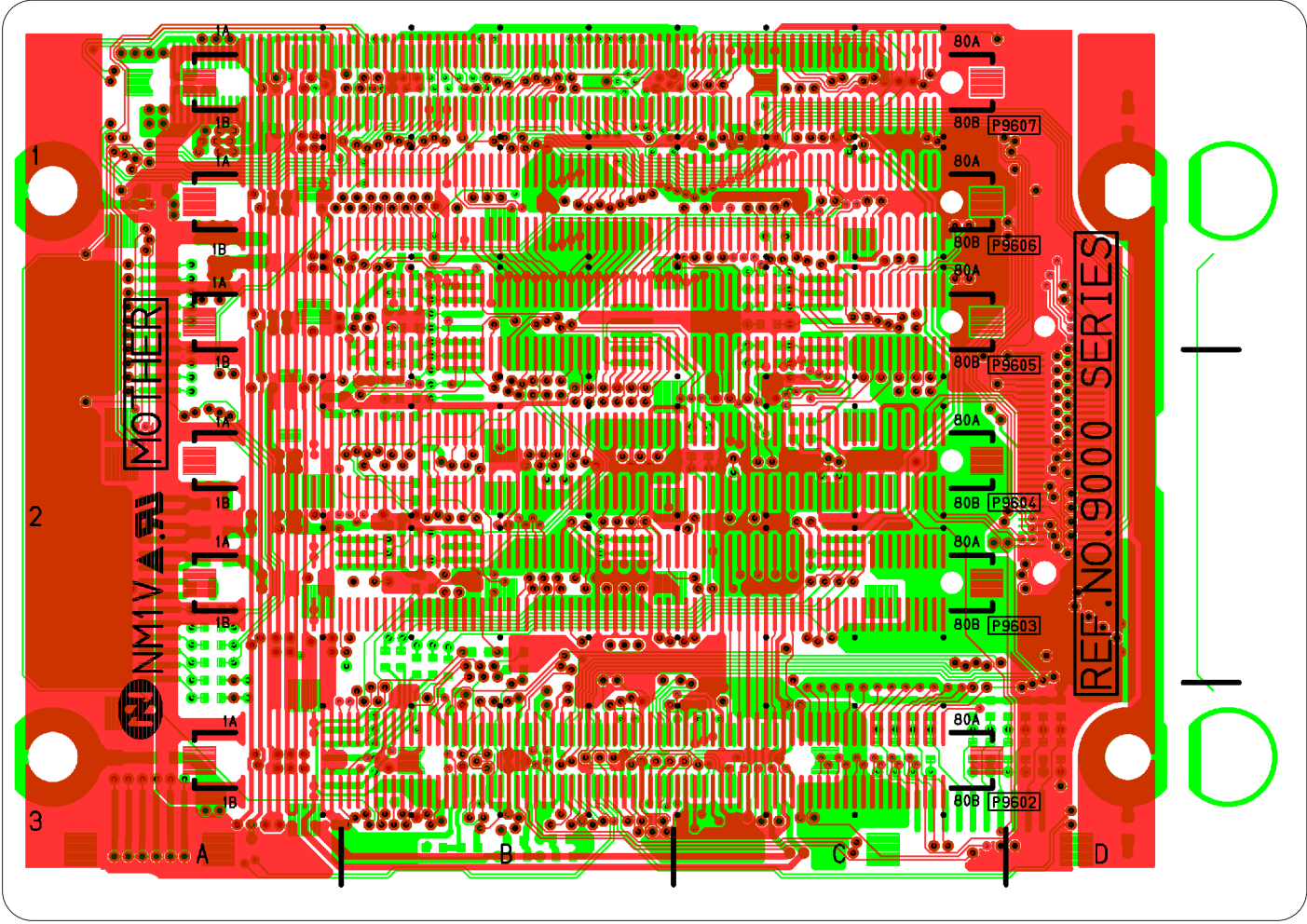
MOTHER P.C.BOARD (VEP00Z41G[NTSC])(VEP00Z41H[PAL])

REF	LOC
P1	D2
P9601	B3
P9608	B1
P9609	A3
P9610	C3
P9611	B2
P9612	A3
P9613	A2
P9614	A1
P9616	C1
P9617	B1
P9618	C2
P9619	A2
P9620	C1
P9621	A1
P9622	C2
P9623	A2

REF	LOC
P9602	B3
P9603	B2
P9604	B2
P9605	B1
P9606	B1
P9607	B1



(FOIL SIDE)



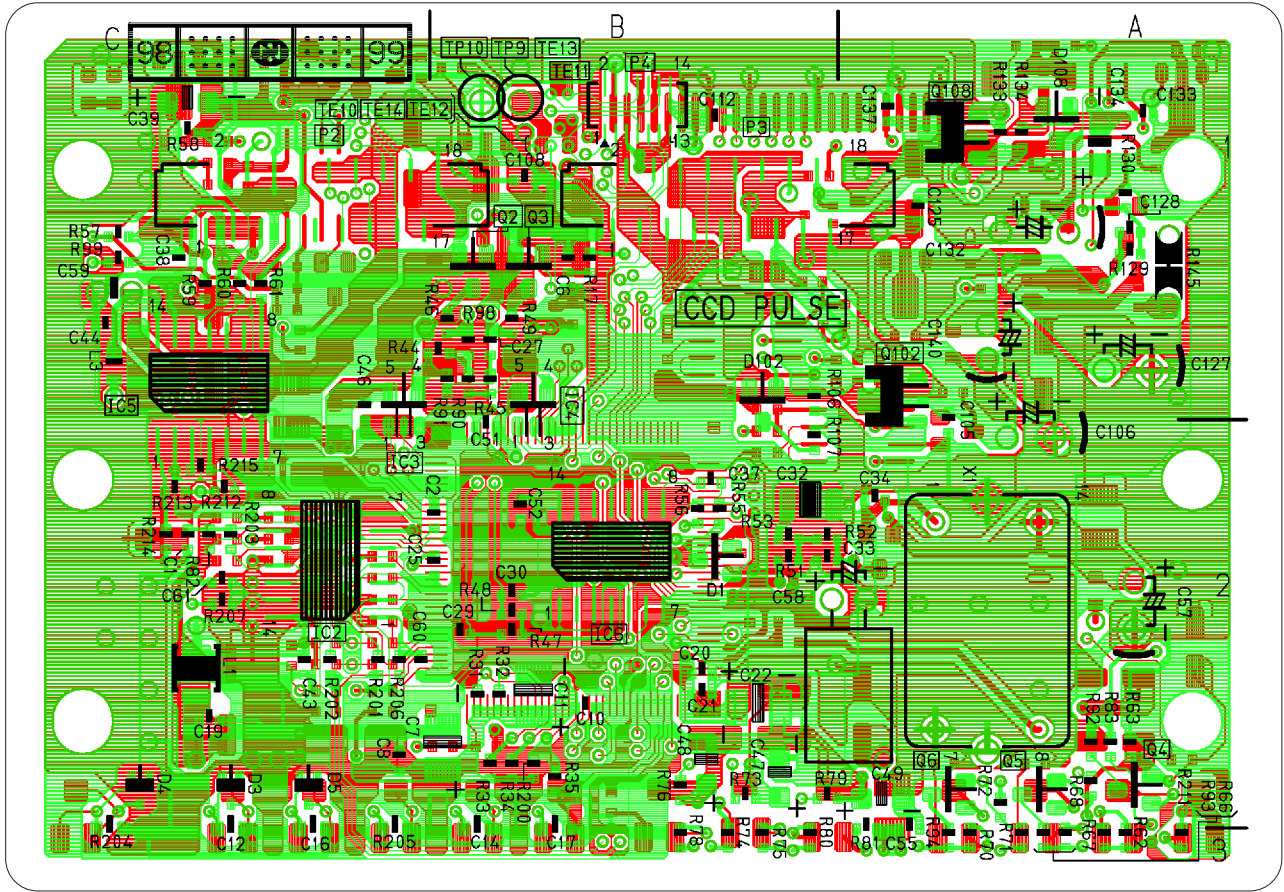
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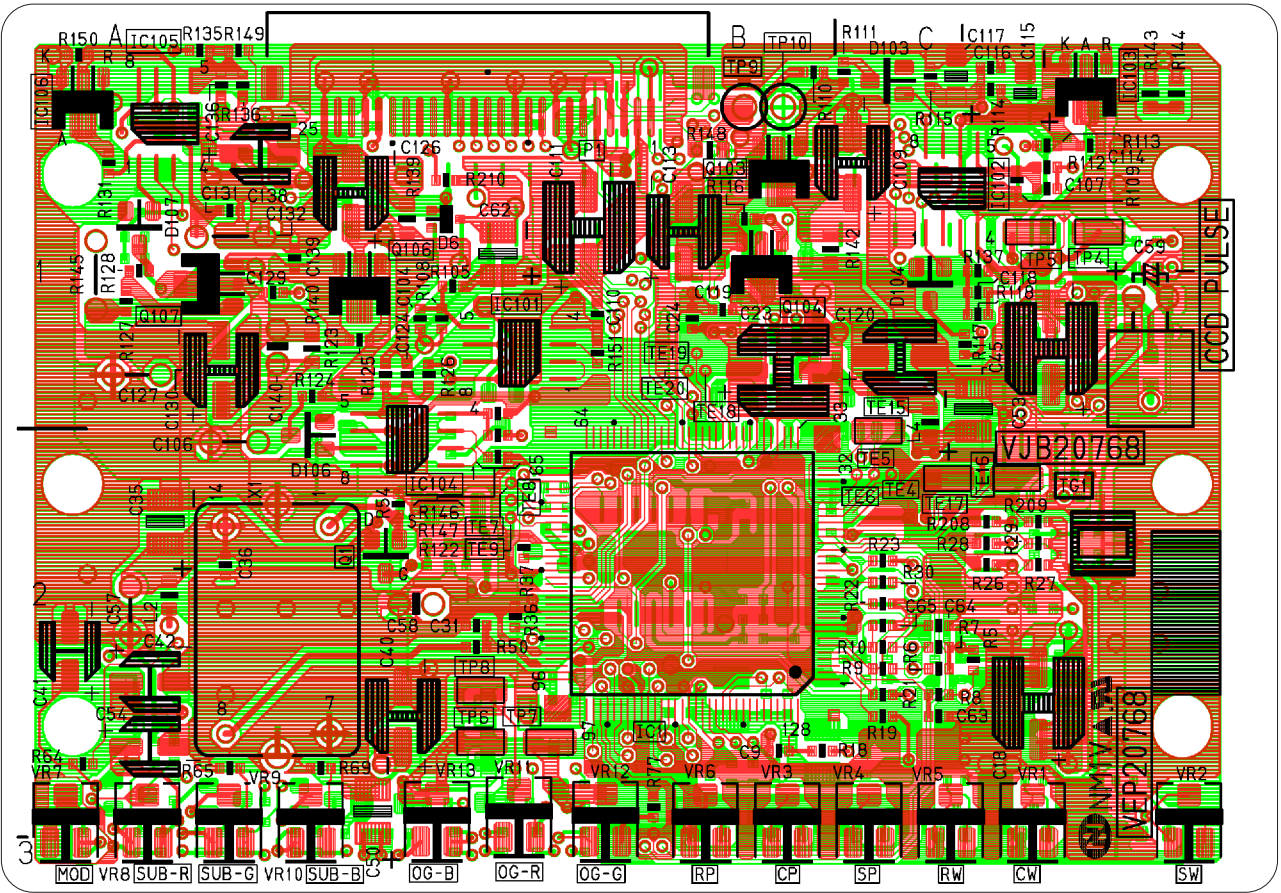
CCD PULSE P.C.BOARD (VEP20768C[NTSC])(VEP20768D[PAL])

REF	LOC
IC2	B1
IC3	B1
IC4	C1
IC5	C1
IC103	C2
P2	C1
P3	B1
P4	B1
Q2	B2
Q3	C2
Q4	A2
Q5	A2
Q6	A2
Q101	A1
Q102	A1
Q103	C1
Q104	C2
Q105	C2
Q106	C2
Q108	A1

REF	LOC	REF	LOC
IC1	B2	VR3	B2
IC6	C1	VR4	C2
IC10	B1	VR5	C2
IC101	A1	VR6	B2
IC102	C1	VR7	A2
IC104	C2	VR8	A2
IC105	A1	VR9	A2
IC106	A1	VR10	A2
P1	B1	VR11	B2
P5	C1	VR12	B2
Q1	A2	VR13	B2
Q107	B1		
TG1	A2		
TP1	B2		
TP2	B2		
TP3	B2		
TP4	C1		
TP5	C1		
VR1	C2		
VR2	C2		

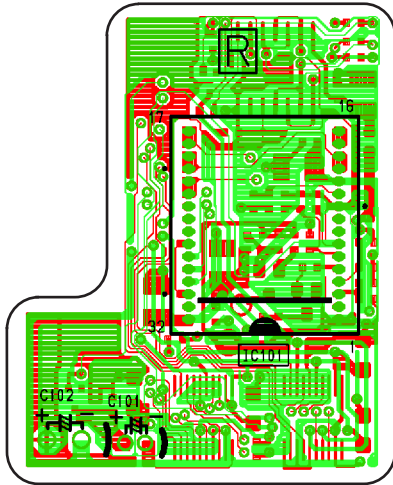
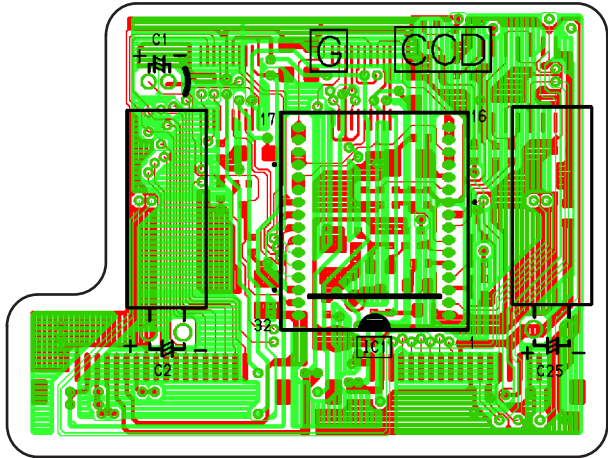
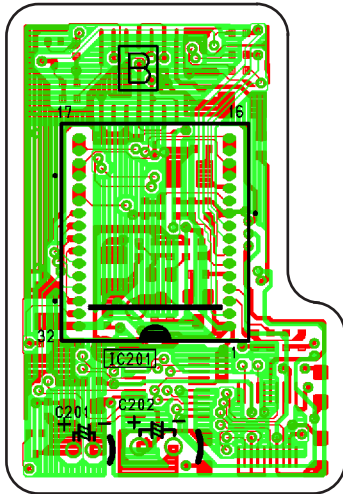


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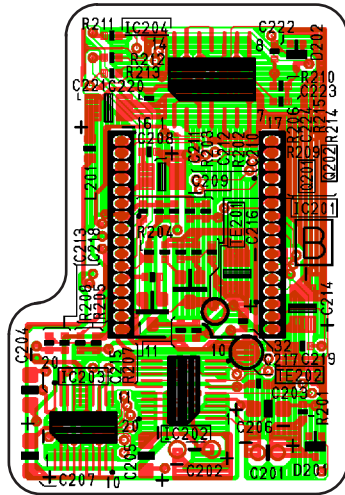
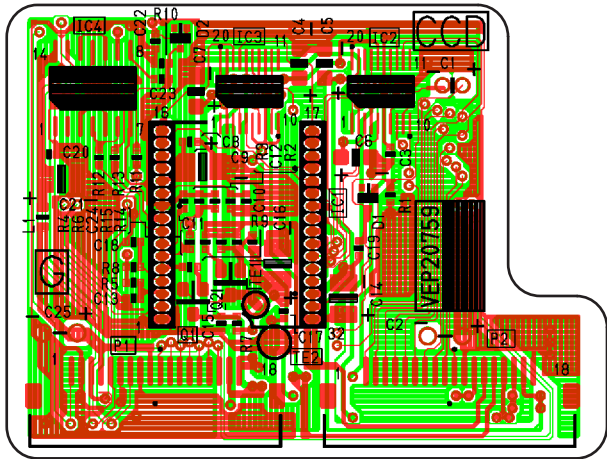
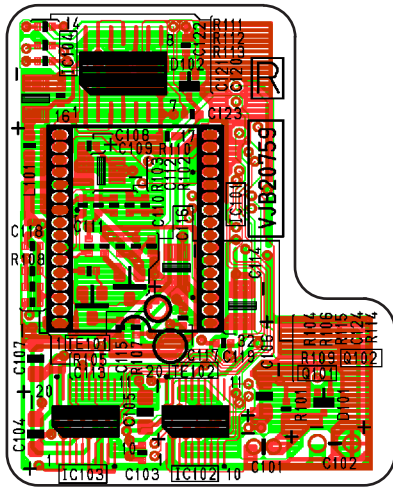


(COMPONENT SIDE)

CCD P.C.BOARD (VEP20759A)



(FOIL SIDE)



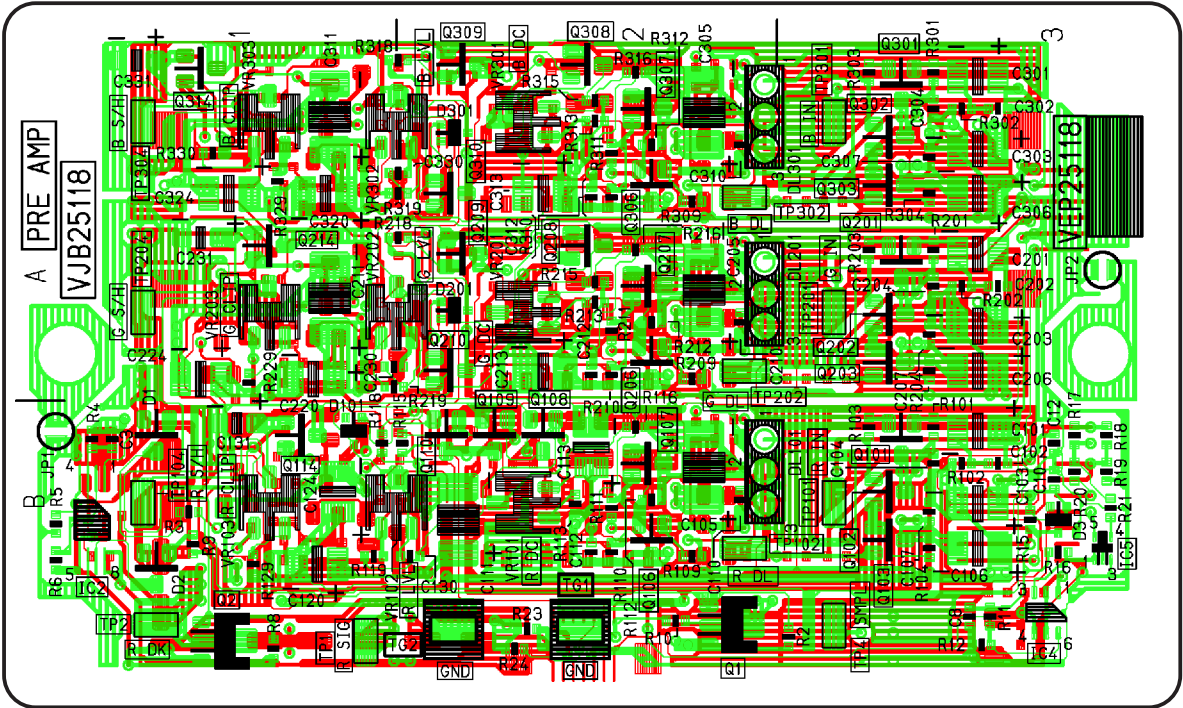
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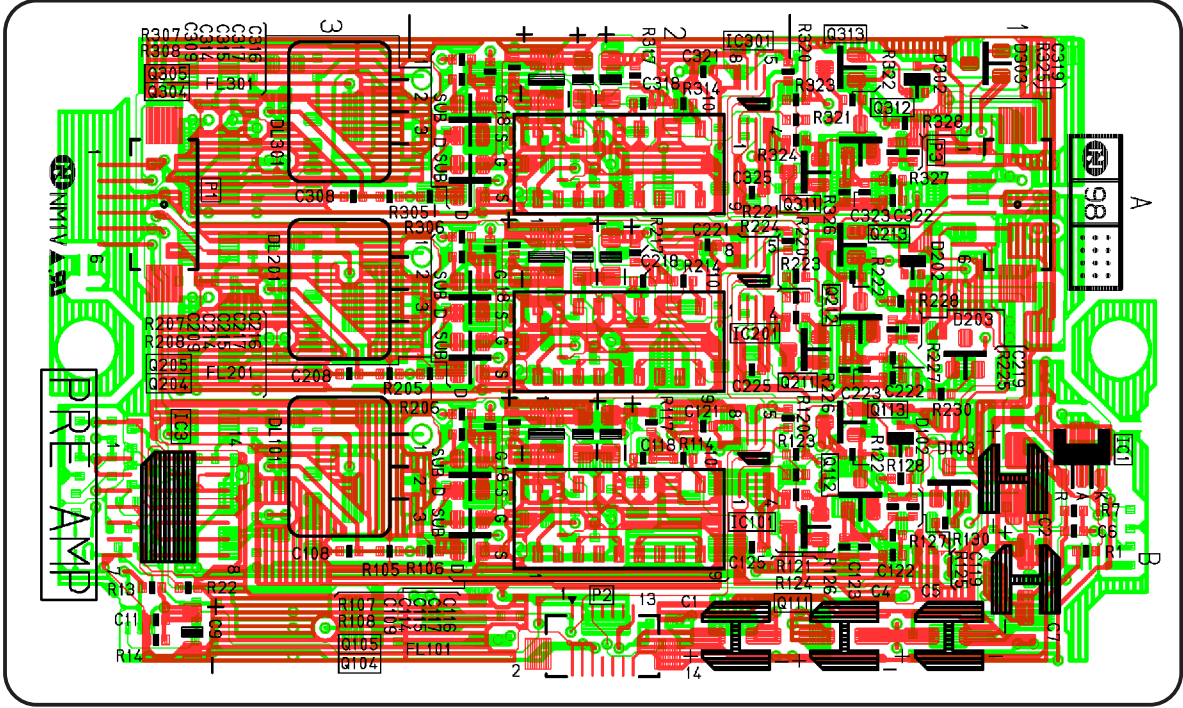
PRE AMP P.C.BOARD (VEP25118B[NTSC])(VEP25118C[PAL])

REF	LOC	REF	LOC	REF	LOC
IC2	B1	Q209	A2	TP201	A3
IC4	B3	Q210	A2	TP202	A2
IC5	B3	Q214	A1	TP204	A1
Q1	B2	Q301	A3	TP301	A3
Q2	B1	Q302	A3	TP302	A2
Q101	B3	Q303	A3	TP304	A1
Q102	B3	Q306	A2	VR101	B2
Q103	B3	Q307	A2	VR102	B1
Q106	B2	Q308	A2	VR103	B1
Q107	B2	Q309	A2	VR201	A2
Q108	B2	Q310	A2	VR202	A1
Q109	B2	Q314	A1	VR203	A1
Q110	B2	TG1	B2	VR301	A2
Q114	B1	TG2	B2	VR302	A1
Q201	A3	TP1	B1	VR303	A1
Q202	A3	TP2	B1		
Q203	A3	TP4	B3		
Q206	A2	TP101	B3		
Q207	A2	TP102	B2		
Q208	A2	TP104	B1		

REF	LOC	REF	LOC
IC1	B1	Q312	A1
IC3	B3	Q313	A1
Lc101	B2		
IC201	A2		
IC301	A2		
P1	A3		
P3	A1		
Q104	B2		
Q105	B2		
Q111	B1		
Q112	B1		
Q113	B1		
Q204	A2		
Q205	A2		
Q211	A1		
Q212	A1		
Q213	A1		
Q304	A2		
Q305	A2		
Q311	A1		



(FOIL SIDE)

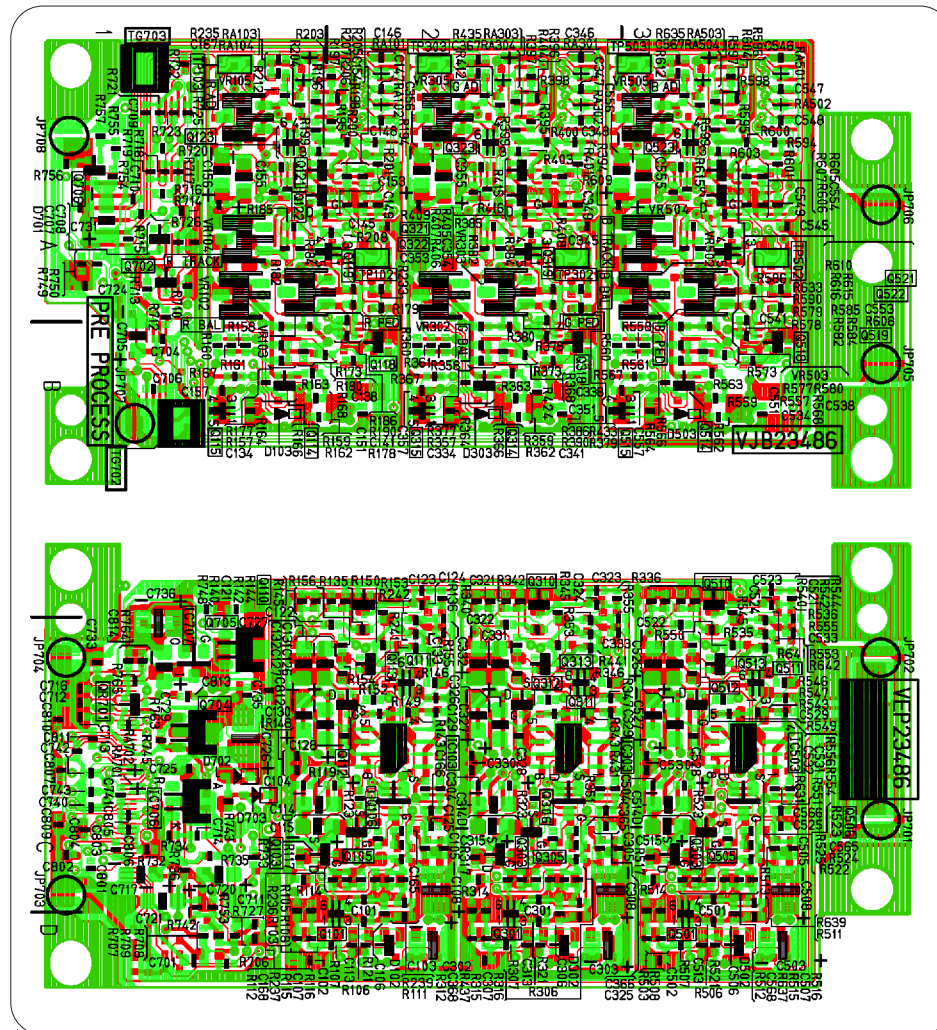


(COMPONENT SIDE)

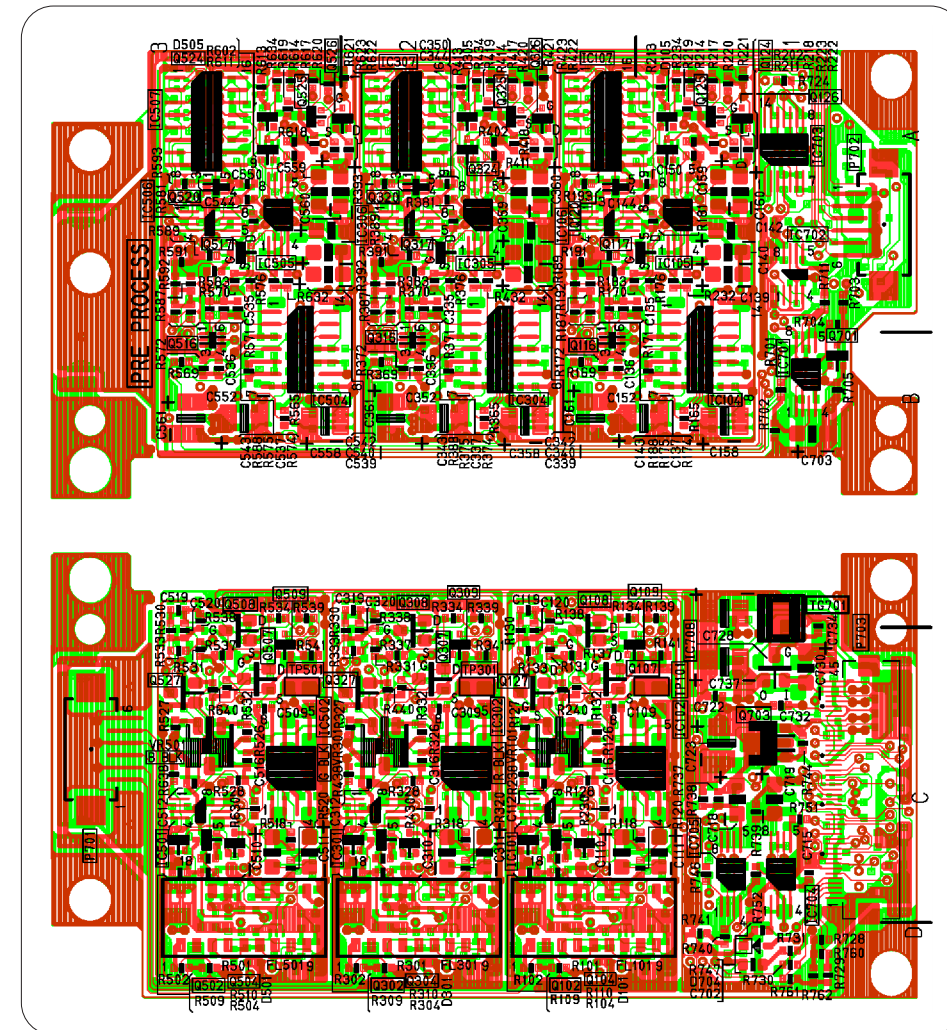
## PRE PROCESS P.C.BOARD (VEP23486D)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
Lc103	C2	Q301	C2	Q511	C3	TP303	A2
IC303	C2	Q303	C2	Q512	C3	TP502	A3
IC503	C3	Q305	C2	Q513	C3	TP503	A3
IC706	C1	Q306	C2	Q514	B3	VR102	A1
IC707	C1	Q310	B2	Q515	B2	VR103	A1
Q101	C1	Q311	C2	Q518	A3	VR104	A1
Q103	C1	Q312	C2	Q519	A3	VR105	A1
Q105	C2	Q313	C2	Q521	A3	VR302	A2
Q106	C2	Q314	B2	Q522	A3	VR303	A2
Q110	B2	Q315	B2	Q523	A3	VR305	A2
Q111	C2	Q318	A2	Q702	A1	VR502	A3
Q112	C2	Q319	A2	Q704	C1	VR503	A3
Q113	C2	Q321	A2	Q705	C1	VR504	A3
Q114	B1	Q322	A2	Q706	A1	VR505	A3
Q115	B1	Q323	A2	QR701	C1		
Q118	A2	Q501	C3	TG702	B1		
Q119	A1	Q503	C3	TG703	A1		
Q121	A1	Q505	C3	TP102	A2		
Q122	A1	Q506	C3	TP103	A1		
Q123	A1	Q510	B3	TP302	A2		

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC101	C2	IC703	A1	Q304	C2	Q525	A3
IC102	C1	IC704	C1	Q307	C2	Q526	A2
IC104	B1	IC705	C1	Q308	C2	Q527	C3
IC105	A1	IC708	C1	Q309	C2	Q701	B1
IC106	A2	P701	C3	Q316	B2	Q703	C1
IC107	A2	P702	A1	Q317	A2	TG701	C1
IC301	C2	P703	C1	Q320	A2	TP101	C1
IC302	C2	Q102	C2	Q324	A2	TP301	C2
IC304	B2	Q104	C2	Q325	A2	TP501	C3
IC305	A2	Q107	C2	Q326	A2	VR101	C2
IC306	A2	Q108	C2	Q327	C2	VR301	C2
IC307	A2	Q109	C1	Q502	C3	VR501	C3
IC501	C3	Q116	B2	Q504	C3		
IC502	C3	Q117	A1	Q507	C3		
IC504	B3	Q120	A2	Q508	C3		
IC505	A3	Q124	A1	Q509	C3		
IC506	A3	Q125	A1	Q516	B3		
IC507	A3	Q126	A1	Q517	A3		
IC701	B1	Q127	C2	Q520	A3		
IC702	A1	Q302	C2	Q524	A3		



**(FOIL SIDE)**



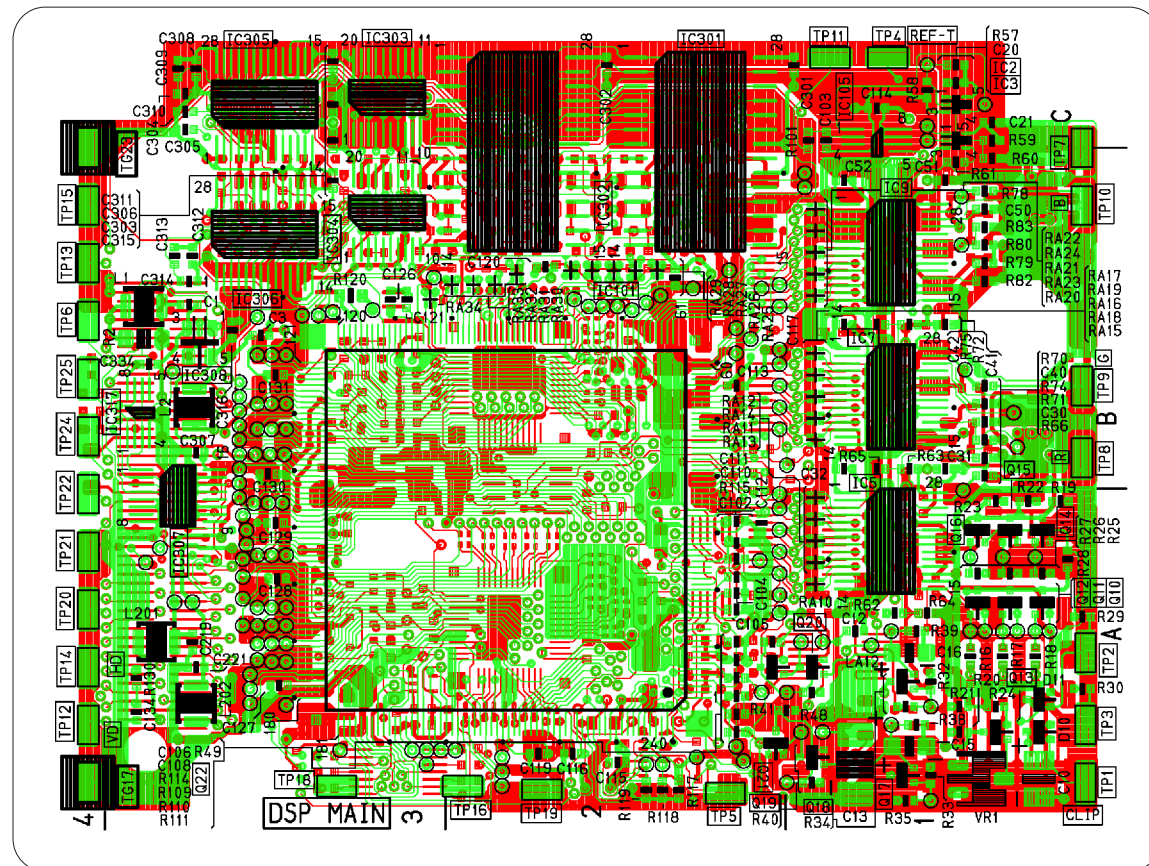
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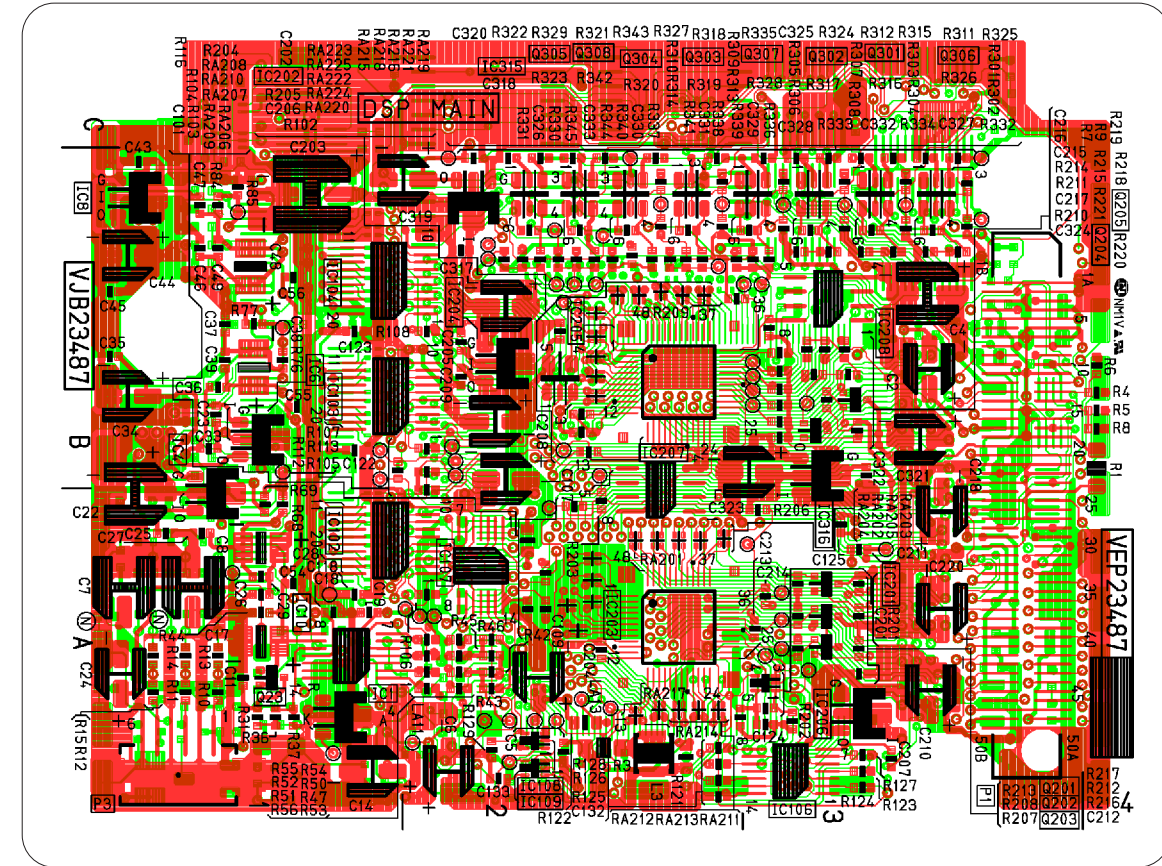
# DSP MAIN P.C.BOARD (VEP23487C[NTSC])(VEP23487D[PAL])

REF	LOC	REF	LOC
IC2	C1	TP4	C1
IC3	B1	TP6	B3
IC5	A1	TP7	B1
IC7	B1	TP8	B1
IC9	B1	TP9	B1
IC101	A2	TP10	B1
IC105	B1	TP11	C1
IC301	B2	TP13	B3
IC302	B2	TP15	B3
IC303	C3	TP21	A3
IC304	B3	TP22	A3
IC305	C3	TP24	B3
IC306	B3	TP25	B3
IC307	A3		
IC308	B3		
IC317	B3		
Q14	A1		
Q15	A1		
Q16	A1		
TG23	B3		

REF	LOC	REF	LOC
IC1	A1	P1	B3
IC4	B1	P3	A1
IC6	B1	Q23	A1
IC10	A1	Q201	A3
IC102	A1	Q202	A3
IC103	B1	Q203	A3
IC104	B1	Q204	B3
IC106	A3	Q205	B3
IC107	A2		
IC108	A2		
IC109	A2		
IC201	A2		
IC202	B2		
IC203	A2		
IC204	B2		
IC205	B2		
IC206	A3		
IC207	B2		
IC208	B3		
IC316	B3		



**(FOIL SIDE)**

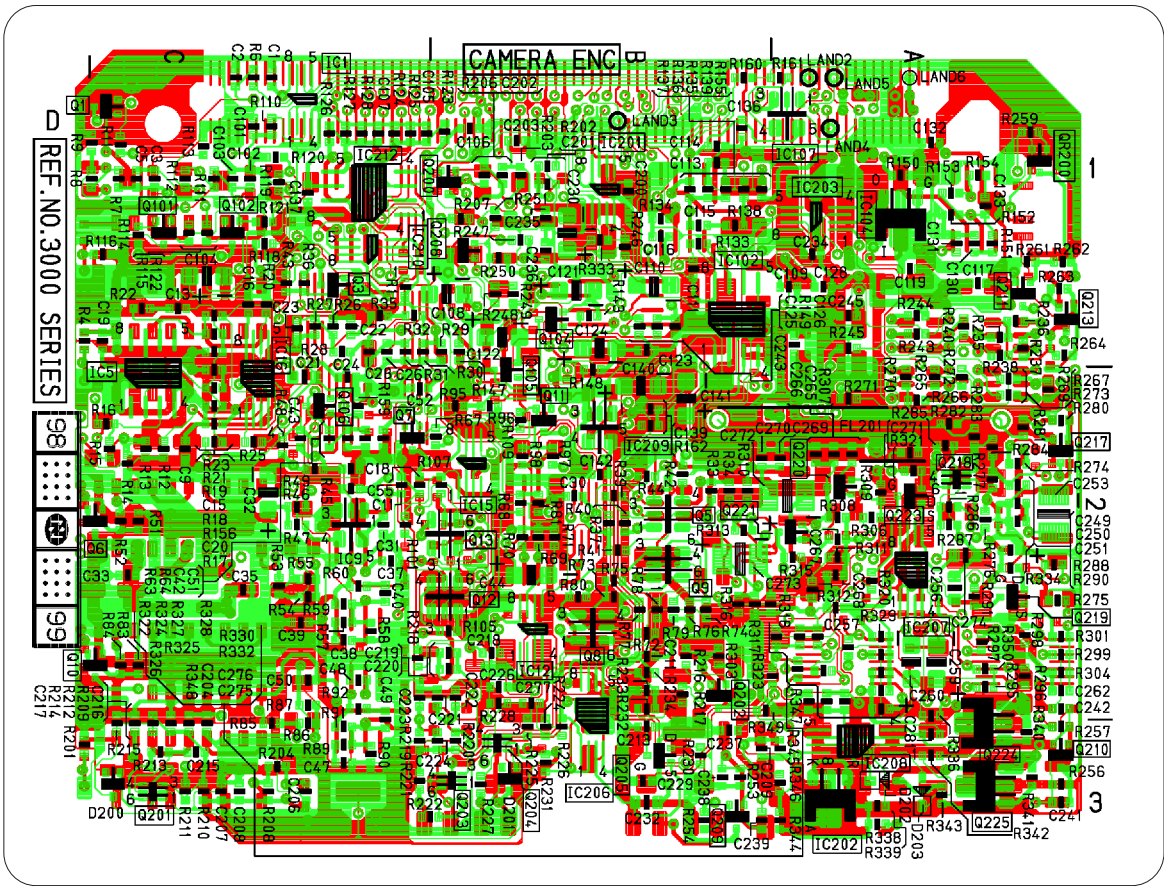


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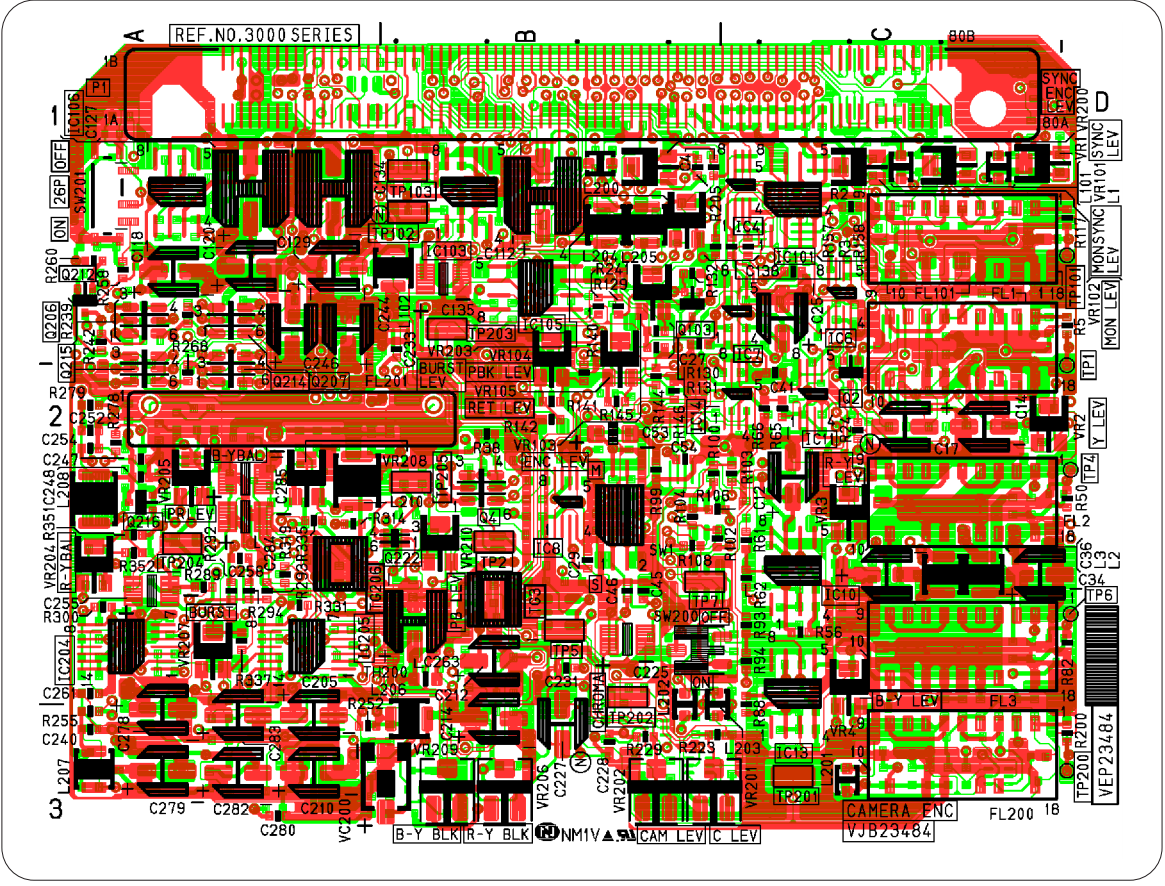
CAMERA ENC P.C.BOARD (VEP23484D[NTSC])(VEP23484B[PAL])

REF	LOC	REF	LOC	REF	LOC
IC1	C1	Q5	B2	Q208	B1
IC5	C1	Q6	C2	Q209	B3
IC9	C2	Q7	B2	Q211	A1
IC12	B2	Q8	B2	Q218	A2
IC15	B2	Q9	B2	Q219	A2
IC16	C1	Q10	C2	Q220	A2
IC102	B1	Q11	B2	Q221	A2
IC104	A1	Q12	B2	Q223	A2
IC107	A1	Q13	B2	Q224	A2
IC201	B1	Q101	C1	Q225	A3
IC202	A3	Q102	C1	QR200	A1
IC203	A1	Q104	B1		
IC206	B2	Q105	B1		
IC207	A2	Q205	C2		
IC208	A3	Q200	B1		
IC209	B2	Q201	C3		
IC210	C1	Q202	B2		
IC212	C1	Q203	B3		
Q1	C1	Q204	B3		
Q3	C1	Q205	B3		

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4	C1	Q212	A1	TP201	C3	VR205	A2
IC6	C1	Q214	A1	TP202	B2	VR206	B3
IC7	C1	Q215	A1	TP203	B1	VR207	A2
IC8	B2	Q216	A2	TP204	A2	VR208	A2
IC10	C2	Q222	B2	TP205	B2	VR209	B3
IC11	C2	SW1	B2	VC200	B3	VR210	B2
IC13	C2	SW200	C2	VR1	D1		
IC14	C2	SW201	A1	VR2	D2		
IC101	C1	TG3	B2	VR3	C2		
IC103	B1	TG206	A2	VR4	C2		
IC105	B1	TP1	D1	VRIO1	C1		
IC106	A1	TP2	B2	VRIO2	C1		
IC204	A2	TP4	D2	VRIO3	B1		
IC205	A2	TP5	B2	VRIO4	B1		
P1	B1	TP6	D2	VRIO5	B1		
Q2	C1	TP7	C2	VR200	B1		
Q4	B2	TP101	D1	VR201	C3		
Q103	C1	TP102	B1	VR202	B3		
Q206	A1	TP103	B1	VR203	C1		
Q207	A1	TP200	D3	VR204	A2		



(FOIL SIDE)



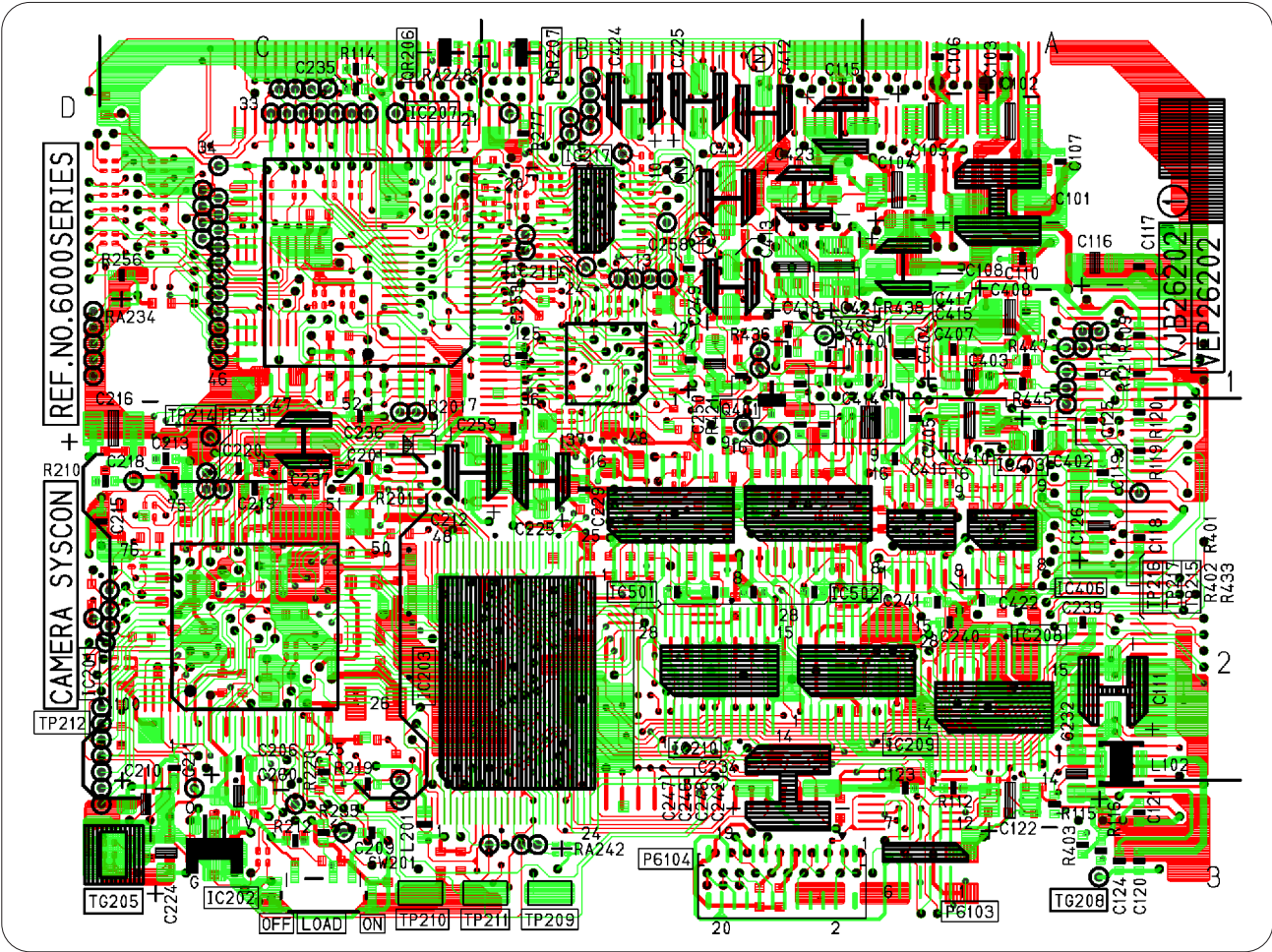
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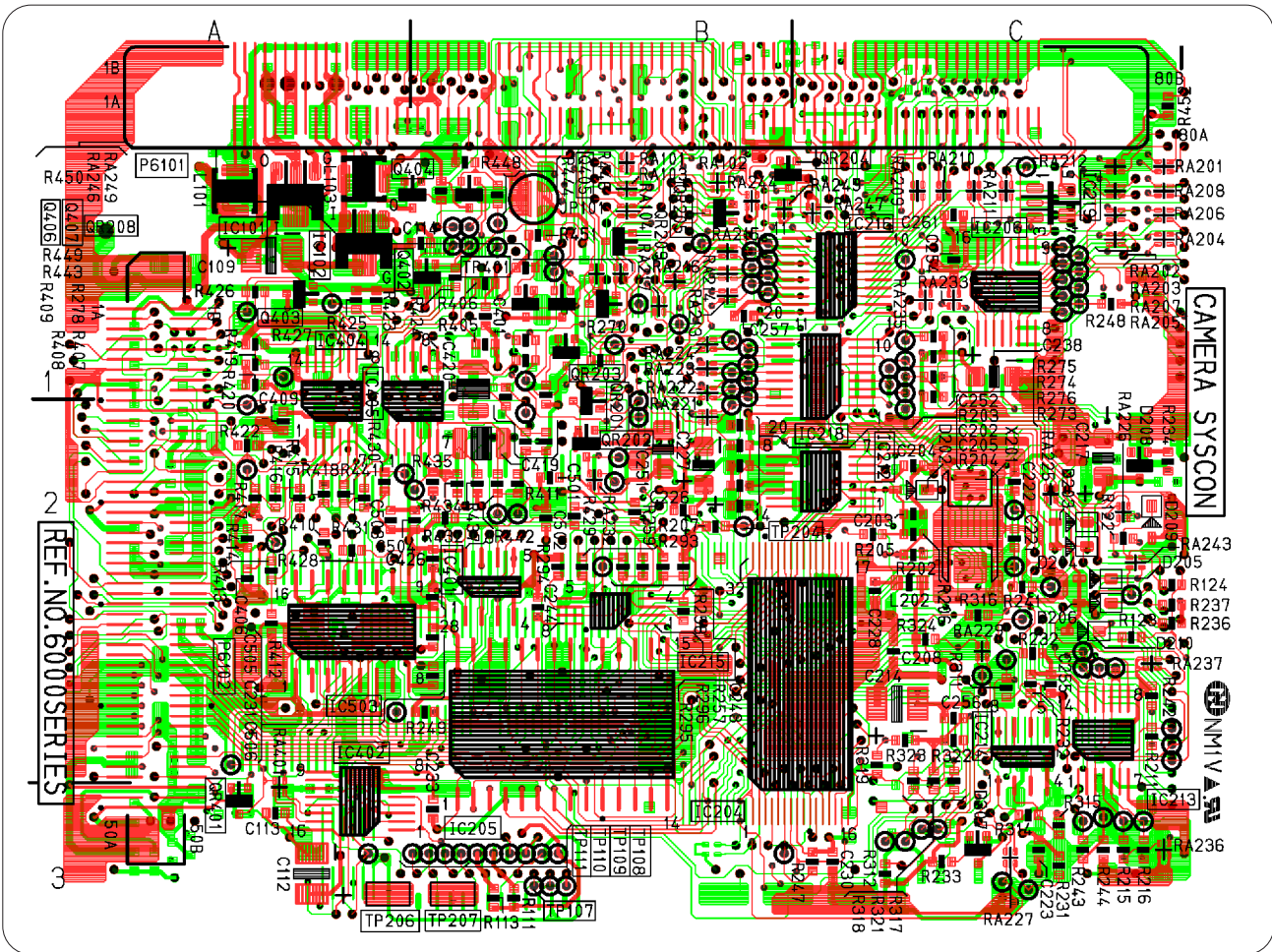
CAMERA SYSCON P.C.BOARD (VEP26202F[NTSC])(VEP26202E[PAL])

REF	LOC	REF	LOC
IC6201	B2	TG6205	B3
IC6202	B3	TG6208	A3
IC6203	A2	TP6209	A3
IC6207	B1	TP6210	B3
IC6208	A2	TP6211	A3
IC6209	A2	TP6212	B2
IC6210	A2	TP6213	B2
IC6211	A1	TP6214	B2
IC6217	A1	TP6215	A2
IC6403	A2	TP6216	A2
IC6406	A2	TP6217	A2
IC6501	A2		
IC6502	A2		
P6103	A3		
P6104	A3		
Q6401	A2		
QR6206	B1		
QR6207	A1		
SW6201	B3		

REF	LOC	REF	LOC	REF	LOC
IC6101	A1	Q6402	B1	TP6204	B2
IC6102	A1	Q6403	A1	TP6206	A3
IC6204	C2	Q6404	A1	TP6207	B3
IC6205	B2	Q6405	B1	TP6401	B1
IC6206	C1	Q6406	B1		
IC6212	C2	Q6407	B1		
IC6213	C2	QR6201	B2		
IC6214	C2	QR6202	B2		
IC6215	B2	QR6203	B1		
IC6216	C1	QR6204	B1		
IC6218	C1	QR6205	B1		
IC6219	C1	QR6208	B1		
IC6401	B2	QR6209	B1		
IC6402	A3	QR6401	A3		
IC6404	A2	TP6107	B3		
IC6405	A2	TP6108	B3		
IC6503	A2	TP6109	B3		
P6101	B1	TP6110	B3		
P6102	A2	TP6111	A3		



(FOIL SIDE)



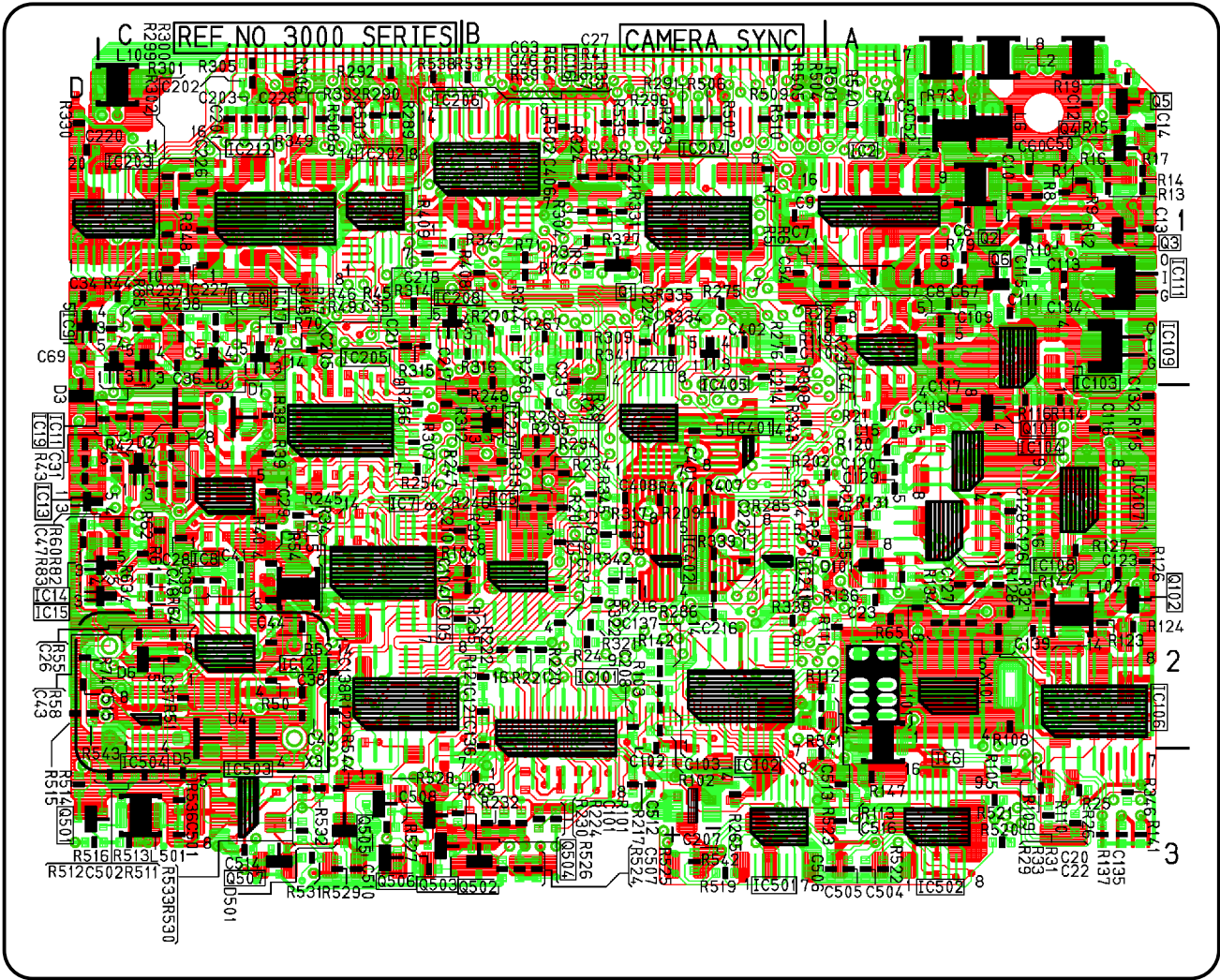
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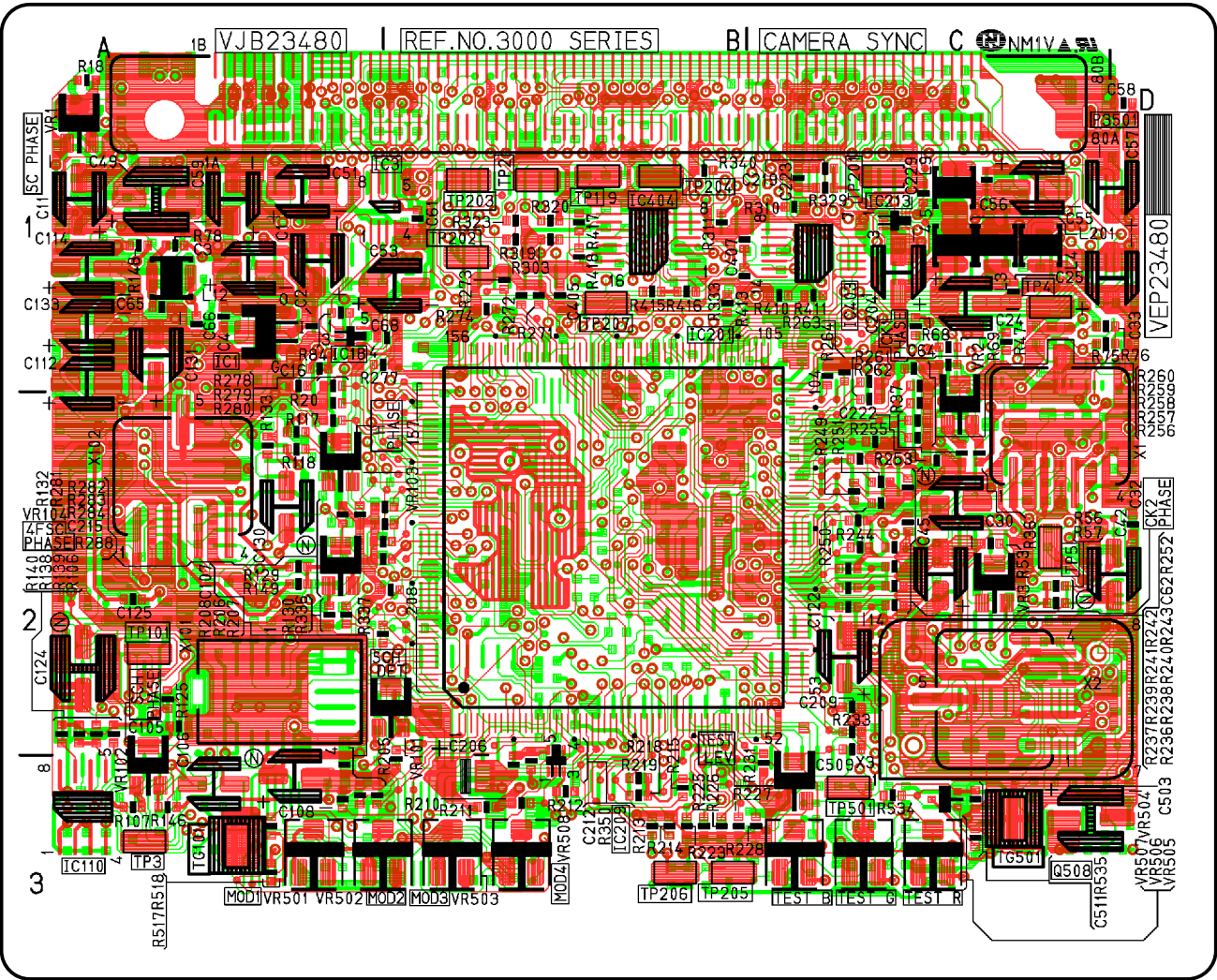
CAMERA SYNC P.C.BOARD (VEP23480A[NTSC])(VEP23480B[PAL])

REF	LOC	REF	LOC	REF	LOC
IC3002	A1	IC3105	C2	IC3502	A3
IC3004	A1	IC3106	A2	IC3503	C3
IC3005	B2	IC3107	A2	IC3504	C2
IC3006	A2	IC3108	A2	Q3001	B1
IC3007	C2	IC3109	A1	Q3002	A1
IC3008	C2	IC3111	A1	Q3003	A1
IC3009	C1	IC3202	C1	Q3004	A1
IC3010	C1	IC3203	C1	Q3005	A1
IC3011	C1	IC3204	B1	Q3006	A1
IC3012	C2	IC3205	C2	Q3101	A2
IC3013	C2	IC3206	B1	Q3102	A2
IC3014	C2	IC3207	B2	Q3501	C3
IC3015	C2	IC3208	B1	Q3502	B3
IC3016	C2	IC3210	B2	Q3503	B3
IC3017	C1	IC3211	B2	Q3504	C3
IC3019	C1	IC3212	C1	Q3505	C3
IC3101	B2	IC3401	B2	Q3506	C3
IC3102	B2	IC3402	B2	Q3507	C3
IC3103	A1	IC3405	B1		
IC3104	A2	IC3501	B3		

REF	LOC	REF	LOC
IC3001	A1	TP3203	B1
IC3003	B1	TP3204	B1
IC3018	A1	TP3205	C3
IC3110	A3	TP3206	B3
IC3201	B2	TP3207	B1
IC3209	B2	TP3501	C3
IC3213	C1	VR3001	A1
IC3403	C1	VR3002	C1
IC3404	B1	VR3003	C2
P3501	B1	VR3101	B2
Q3508	C3	VR3102	A2
TG3101	A3	VR3103	A2
TG3501	C3	VR3104	A2
TP3001	B1	VR3501	A3
TP3002	B1	VR3502	B3
TP3003	A3	VR3503	B3
TP3004	C1	VR3504	C3
TP3005	C2	VR3505	C3
TP3101	A2	VR3506	C3
TP3201	C1	VR3507	C3
TP3202	B1	VR3508	B3



(FOIL SIDE)



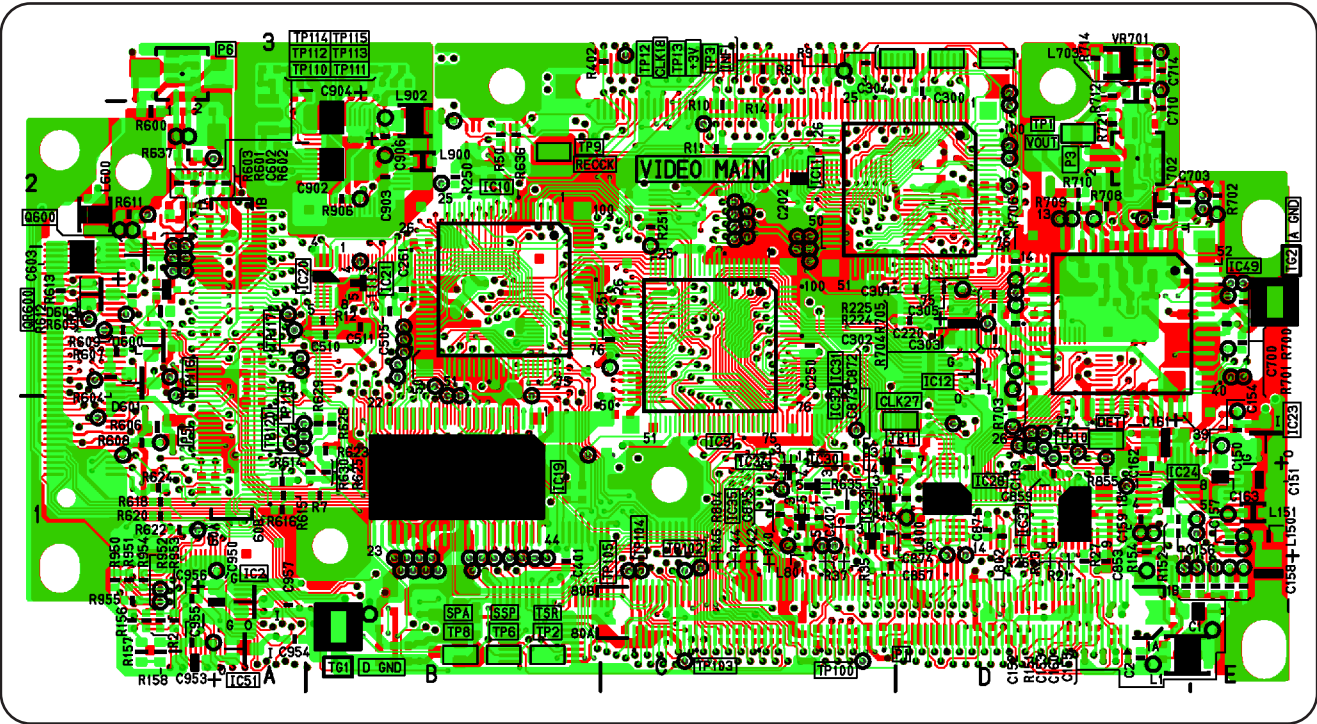
(COMPONENT SIDE)



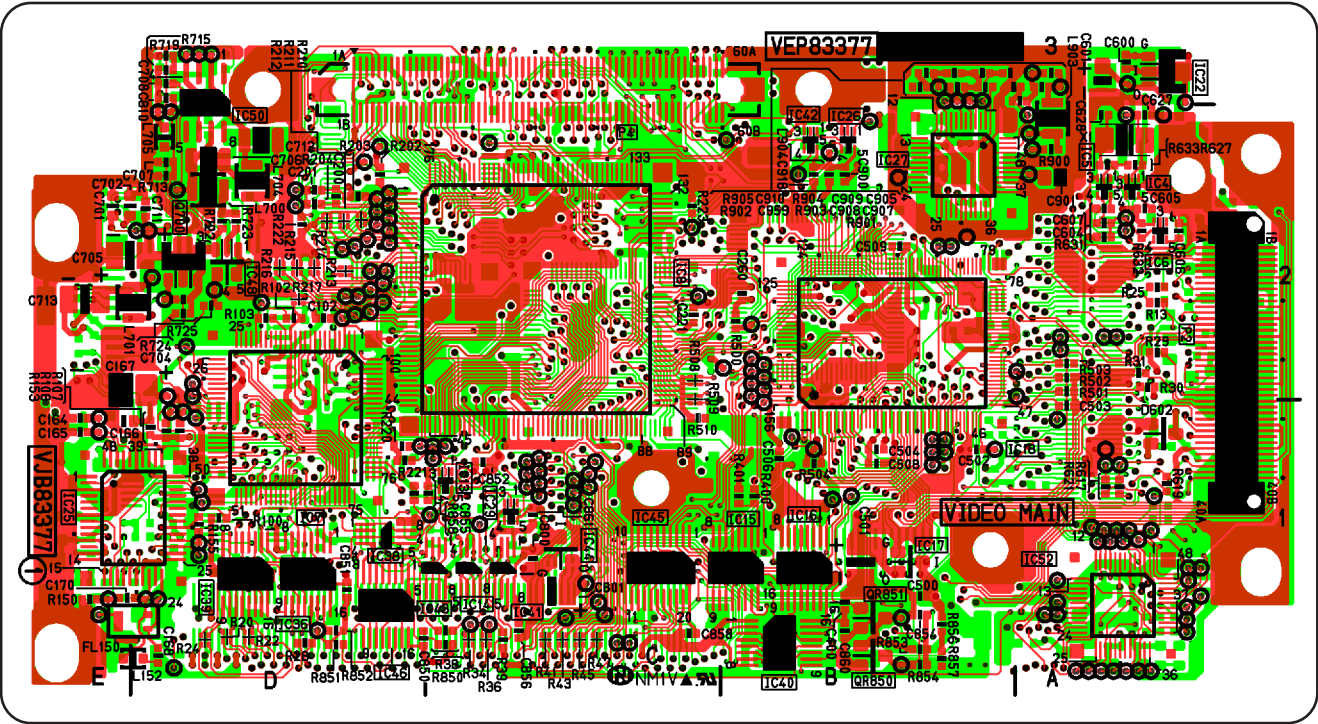
VIDEO MAIN P.C.BOARD (VEP83377G[NTSC])(VEP83377F[PAL])

REF	LOC	REF	LOC	REF	LOC
IC2	D1	P1	B1	TP103	C1
IC9	C2	P3	A2	TP104	C1
IC10	C2	P5	D2	TP105	C1
IC11	B2	P6	D3	TP110	D2
IC12	B2	Q600	E2	TP111	D2
IC19	C1	QR600	E2	TP112	D2
IC20	D2	TG1	D1	TP113	D2
IC21	D2	TG2	A2	TP114	D2
IC23	A1	TP1	A2	TP115	D2
IC24	A1	TP2	C1	TP116	D2
IC28	B1	TP3	B3	TP117	D2
IC30	B1	TP6	C1	TP119	D1
IC31	B1	TP8	C1	TP120	D1
IC32	B1	TP9	C2	VR701	A3
IC33	B1	TP10	A1		
IC34	B1	TP11	B1		
IC35	B1	TP12	B3		
IC37	A1	TP13	B3		
IC49	A2	TP100	B1		
IC51	D1	TP102	C1		

IC4	A2	IC41	C1
IC5	A2	IC42	B2
IC6	A2	IC43	C1
IC7	D1	IC44	C1
IC8	C2	IC45	C1
IC13	C1	IC46	D1
IC14	C1	IC48	D2
IC15	B1	IC50	D3
IC16	B1	IC52	A1
IC17	B1	P2	A2
IC18	B2	P4	C3
IC22	A3	Q700	D2
IC25	E1	QR850	B1
IC26	B2	QR851	B1
IC27	B2		
IC29	C1		
IC36	D1		
IC38	D1		
IC39	D1		
IC40	B1		



(FOIL SIDE)



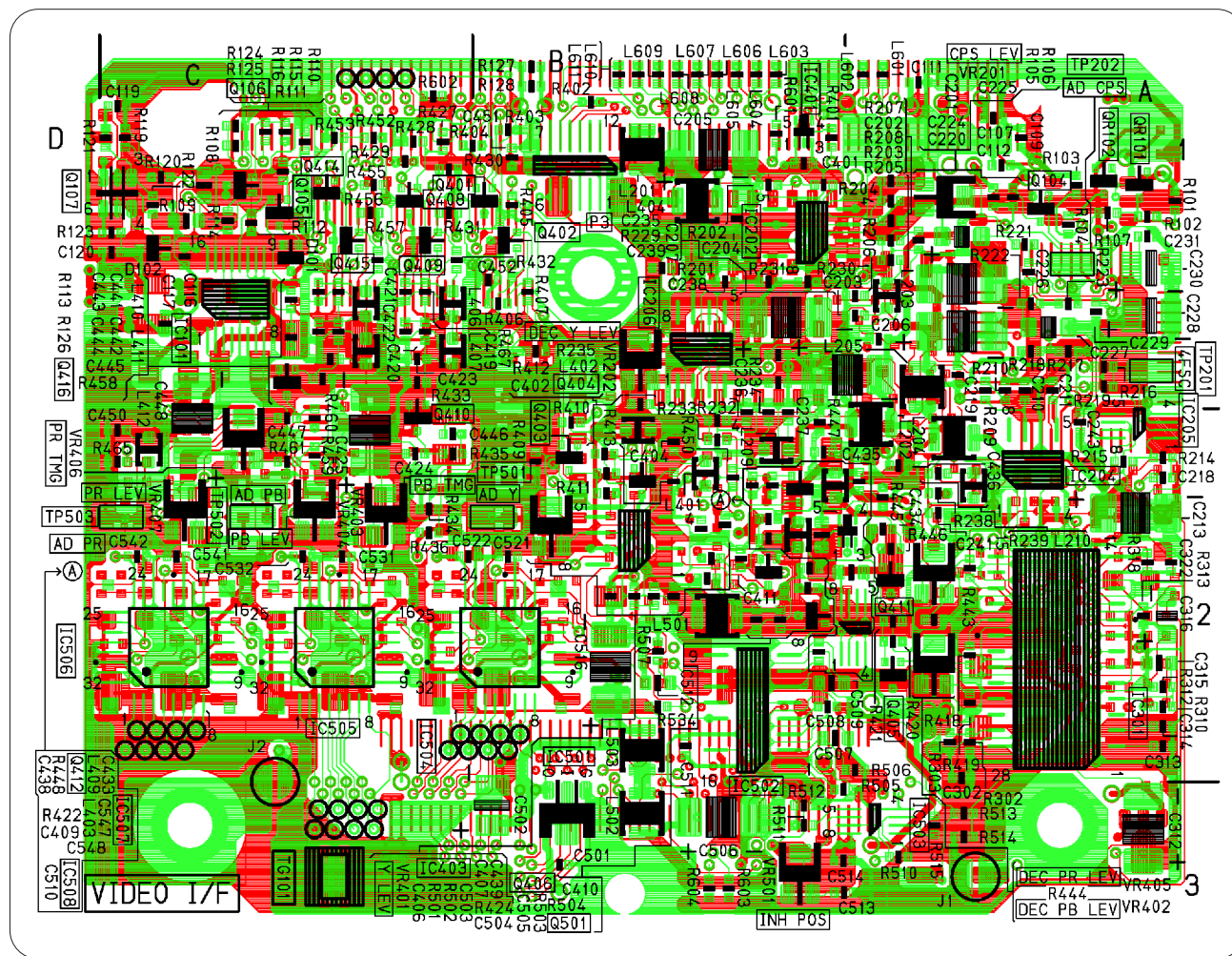
(COMPONENT SIDE)



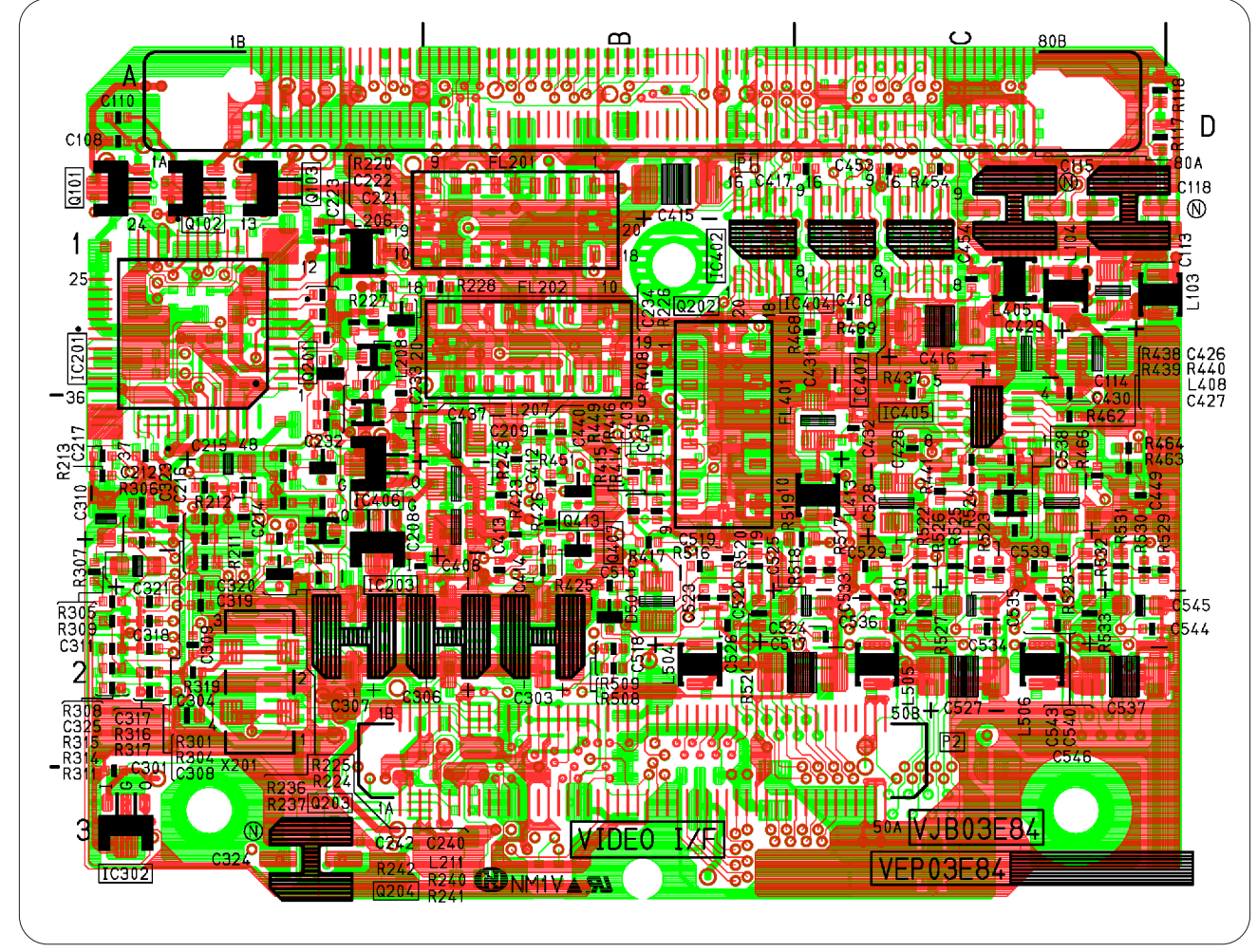
## VIDEO I/F P.C.BOARD (VEP03E84E[NTSC])(VEP03E84D[PAL])

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC101	C1	IC503	A3	Q107	C1	411	A2	TP202	A1	VR405	A2
IC202	A1	IC504	B2	Q401	B1	Q412	B2	TP501	B2	VR406	C2
IC204	A2	IC505	C2	Q402	B1	Q414	C1	TP502	C2	VR407	C2
IC205	A1	IC506	C2	Q403	B2	Q415	C1	TP503	C2	VR501	B3
IC206	B1	IC507	A2	Q404	B2	Q416	C1	VR201	A1		
IC301	A2	IC508	A2	Q405	A2	Q501	A2	VR202	B1		
IC401	B1	P3	B1	Q406	B2	QR101	A1	VR401	B2		
IC403	B2	Q104	A1	Q408	C1	QR102	A1	VR402	A2		
IC501	B3	Q105	C1	Q409	C1	TG101	C3	VR403	C2		
IC502	B2	Q106	C1	Q410	C1	TP201	A1	VR404	C2		

REF	LOC	REF	LOC
IC201	A1	Q101	A1
IC203	A2	Q102	A1
IC302	A3	Q103	A1
IC402	C1	Q201	A1
IC404	C1	Q202	B1
IC405	C2	Q203	A2
IC406	A2	Q204	A2
IC407	C1	Q407	B2
P1	B1	Q413	B2
P2	B2		



**(FOIL SIDE)**



**(COMPONENT SIDE)**

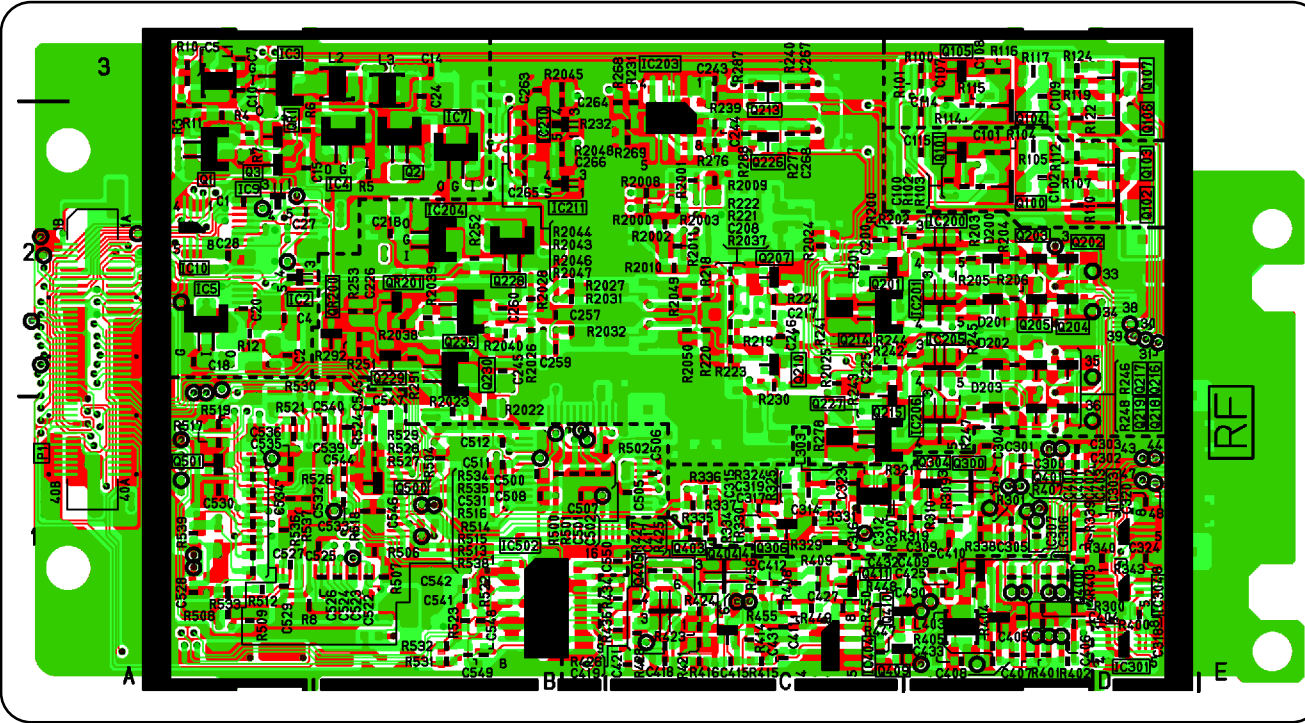




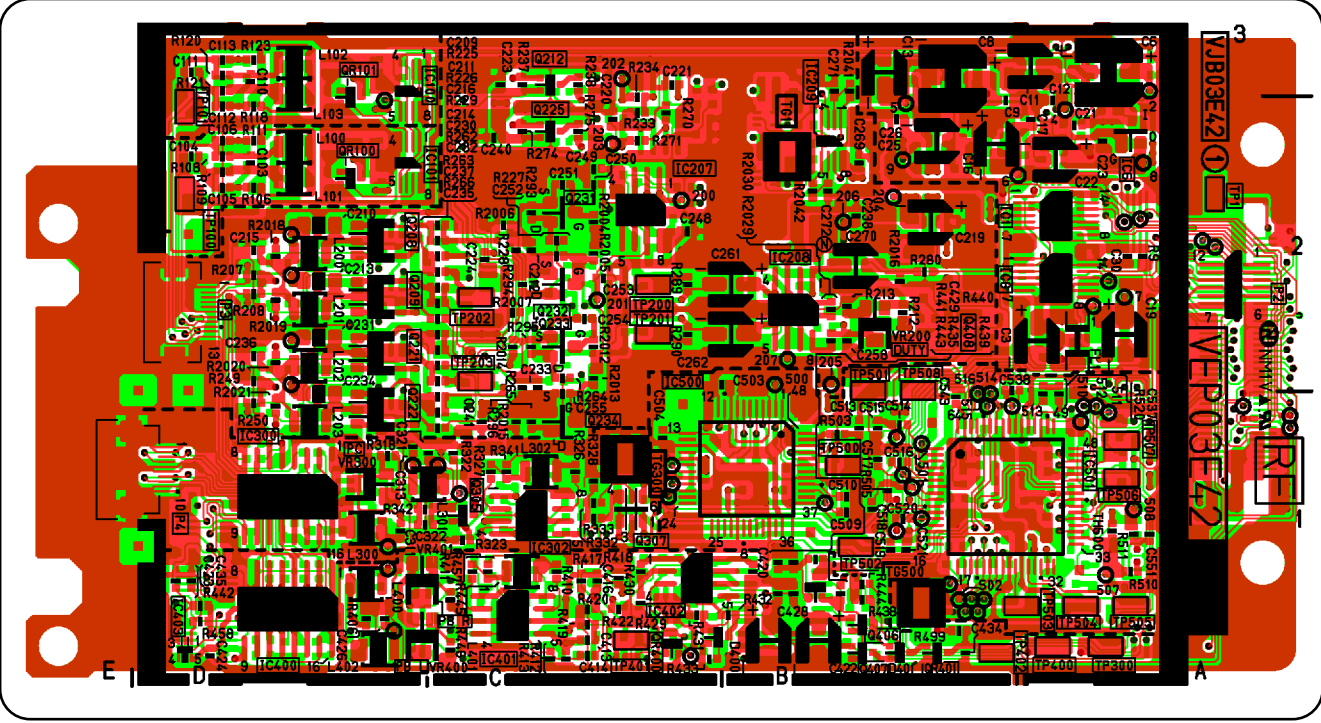
RF P.C.BOARD (VEP03E42A)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D2	P1	E2	Q214	B2	Q409	B1
IC3	D3	Q1	D2	Q215	B1	Q410	B1
IC4	D2	Q2	D2	Q216	A2	Q411	B1
IC5	D2	Q3	D2	Q217	B2	Q500	D1
IC7	C2	Q100	B2	Q218	A1	Q501	D1
IC9	D2	Q101	B2	Q219	B1	QR1	D2
IC10	D2	Q102	A2	Q226	B2	QR200	D2
IC200	B2	Q103	A2	Q227	B1	QR201	D2
IC201	B2	Q104	B2	Q228	C2		
IC203	C2	Q105	B3	Q229	D2		
IC204	D2	Q106	A2	Q230	D2		
IC205	B2	Q107	A3	Q235	C2		
IC206	B1	Q201	B2	Q300	B1		
IC210	C2	Q202	A2	Q304	B1		
IC211	C2	Q203	B2	Q306	B1		
IC301	A1	Q204	A2	Q400	B1		
IC303	A1	Q205	B2	Q401	B1		
IC304	A1	Q207	B2	Q403	C1		
IC404	B1	Q210	B2	Q404	C1		
IC502	C1	Q213	B3	Q405	C1		

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	A2	Q209	D2	TG500	B1	TP508	B1
IC6	A2	Q212	C3	TP1	A2	VR200	B2
IC8	A2	Q221	D2	TP100	D2	VR300	D1
IC100	D2	Q222	D1	TP101	D2	VR400	D1
IC101	D2	Q225	C2	TP200	C2	VR401	D1
IC207	C2	Q231	C2	TP201	C2		
IC208	B2	Q232	C2	TP202	C2		
IC209	B2	Q233	C2	TP203	C1		
IC300	D1	Q234	C1	TP300	A1		
IC302	C1	Q305	C1	TP400	A1		
IC400	D1	Q307	C1	TP401	C1		
IC401	C1	Q406	B1	TP402	B1		
IC402	C1	Q407	B1	TP500	B1		
IC403	D1	Q408	B1	TP501	B1		
IC500	B1	QR100	D2	TP502	B1		
IC501	B1	QR101	D2	TP503	A1		
P2	A2	QR400	C1	TP504	A1		
P3	D2	QR401	B1	TP505	A1		
P4	E1	TG1	B2	TP506	A1		
Q208	D2	TG300	C1	TP507	A1		



(FOIL SIDE)



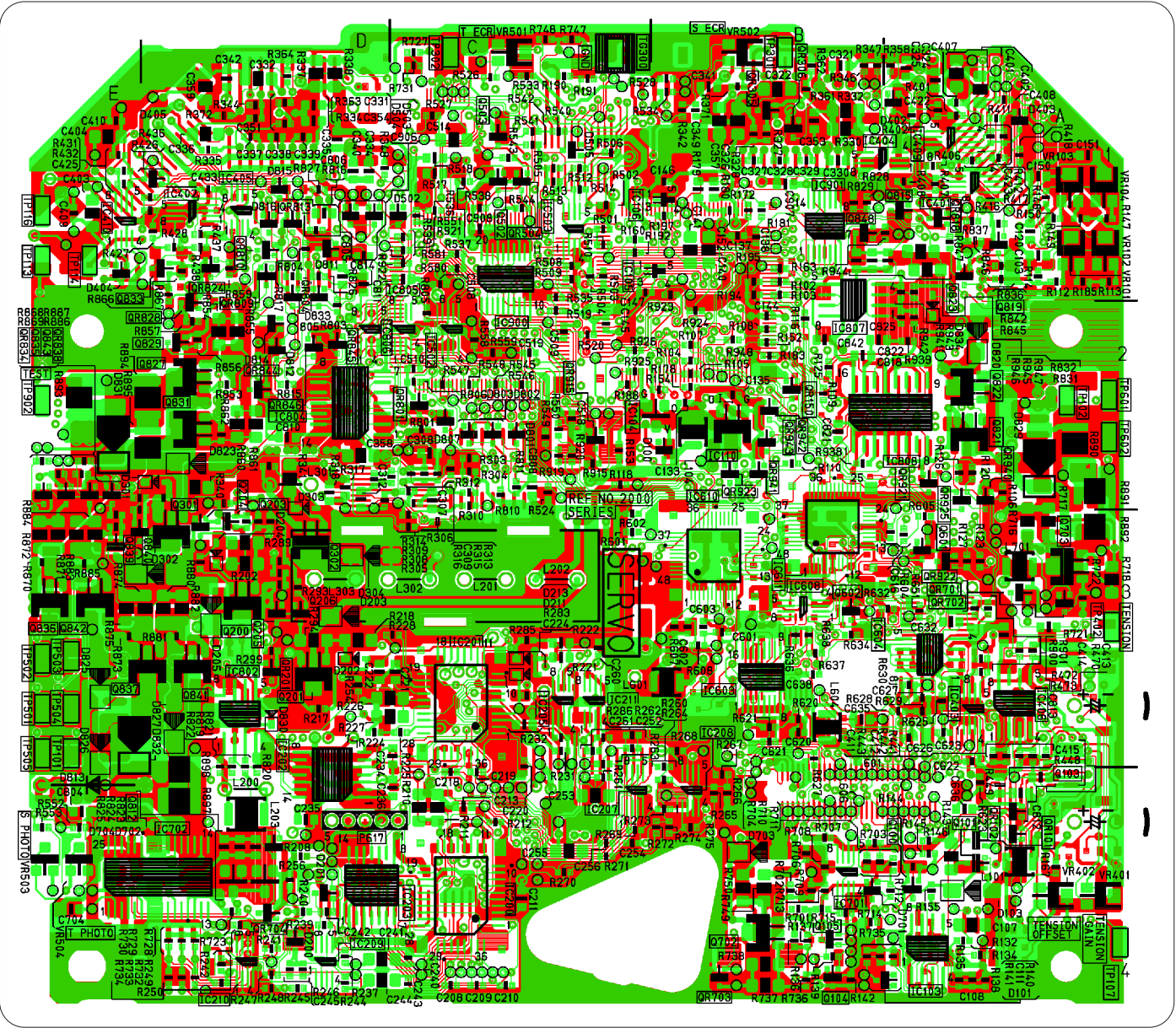
(COMPONENT SIDE)





SERVO P.C.BOARD (VEP82219C)

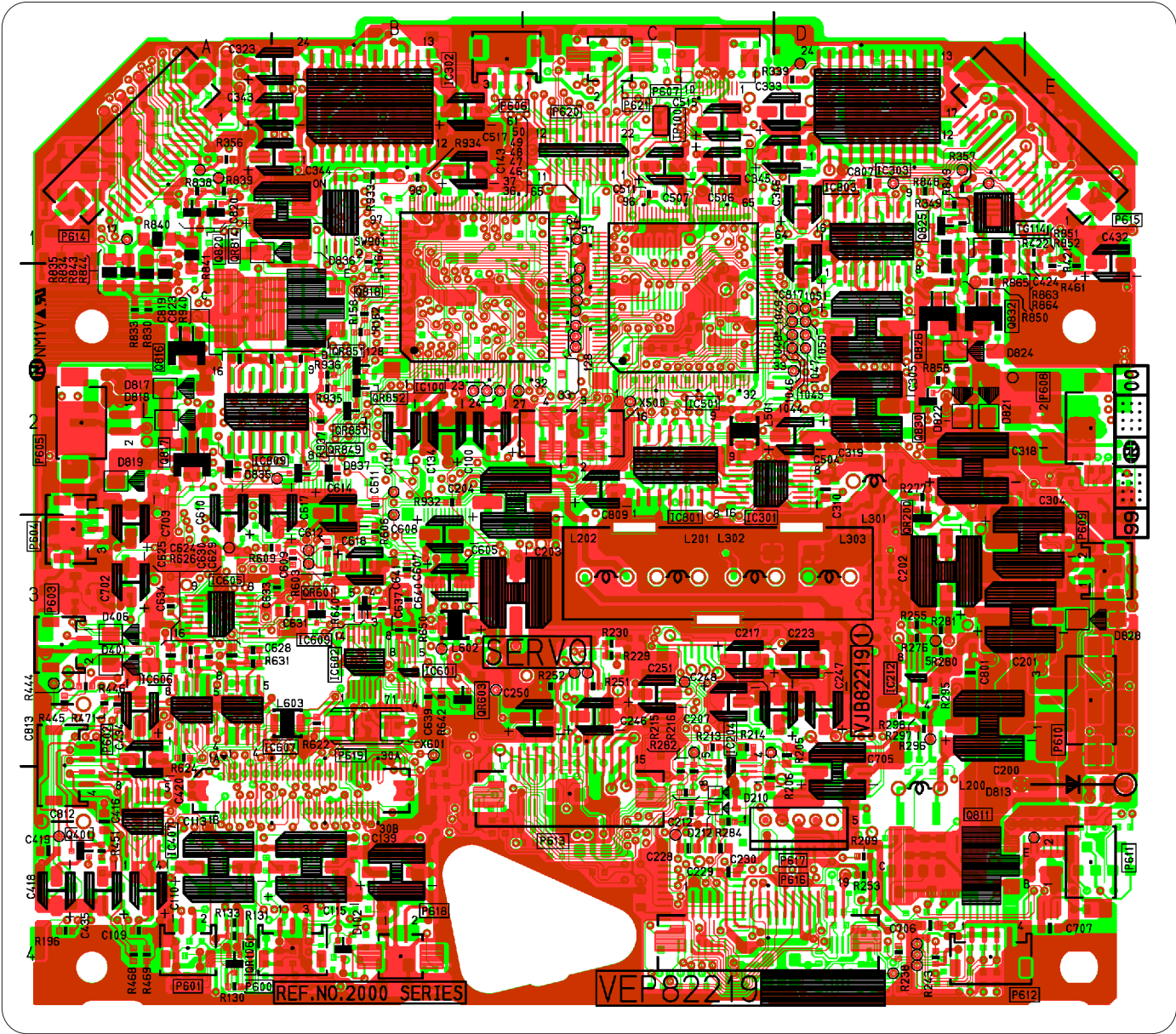
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IC103	A4	IC405	D1	P617	B4	Q822	A2	QR504	C1	QR921	B2	TP502	E3
IC104	B2	IC406	A3	Q100	A4	Q823	A2	QR701	A3	QR922	A2	TP503	E3
IC105	B2	IC409	A1	Q101	A4	Q827	D2	QR702	A3	QR923	B2	TP504	E3
IC106	B1	IC410	E1	Q103	A4	Q829	D2	QR703	B4	QR925	B2	TP505	E3
IC110	B2	IC502	C2	Q104	B4	Q831	D2	QR704	D4	QR940	A2	TP601	A2
IC200	C4	IC503	C1	Q105	B4	Q833	D2	QR801	C2	QR941	B2	TP602	A2
IC201	C3	IC603	B3	Q200	D3	Q835	E2	QR804	D2	QR942	B2	TP902	E2
IC202	D4	IC604	A3	Q201	D3	Q836	E3	QR809	D2	QR943	B2	VR101	A1
IC203	D4	IC608	B3	Q301	D3	Q837	D3	QR810	D1	TG300	C1	VR102	A1
IC205	C3	IC610	B3	Q302	D3	Q839	E3	QR813	D1	TP101	E3	VR103	A1
IC207	C4	IC611	B3	Q502	C1	Q840	D3	QR818	A1	TP102	A2	VR104	A1
IC208	B4	IC701	B4	Q503	C1	Q841	D3	QR824	D2	TP107	A4	VR401	A4
IC209	D4	IC702	D4	Q601	A3	Q842	E3	QR828	D2	TP113	E1	VR402	A4
IC210	D4	IC802	D3	Q602	B3	Q843	E2	QR834	E2	TP114	E1	VR501	C1
IC211	C3	IC804	D2	Q702	B4	QR101	A4	QR838	E2	TP116	E1	VR502	B1
IC401	A1	IC805	C2	Q703	A3	QR102	A4	QR844	D2	TP301	B1	VR503	E4
IC402	D1	IC806	D2	Q812	D4	QR150	B2	QR845	D2	TP302	C1	VR504	E4
IC403	A3	IC900	C2	Q819	A1	QR305	B1	QR846	D2	TP402	A3		
IC404	B1	IC901	B1	Q821	A2	OR306	B1	QR915	C2	TP501	E3		



(FOIL SIDE)



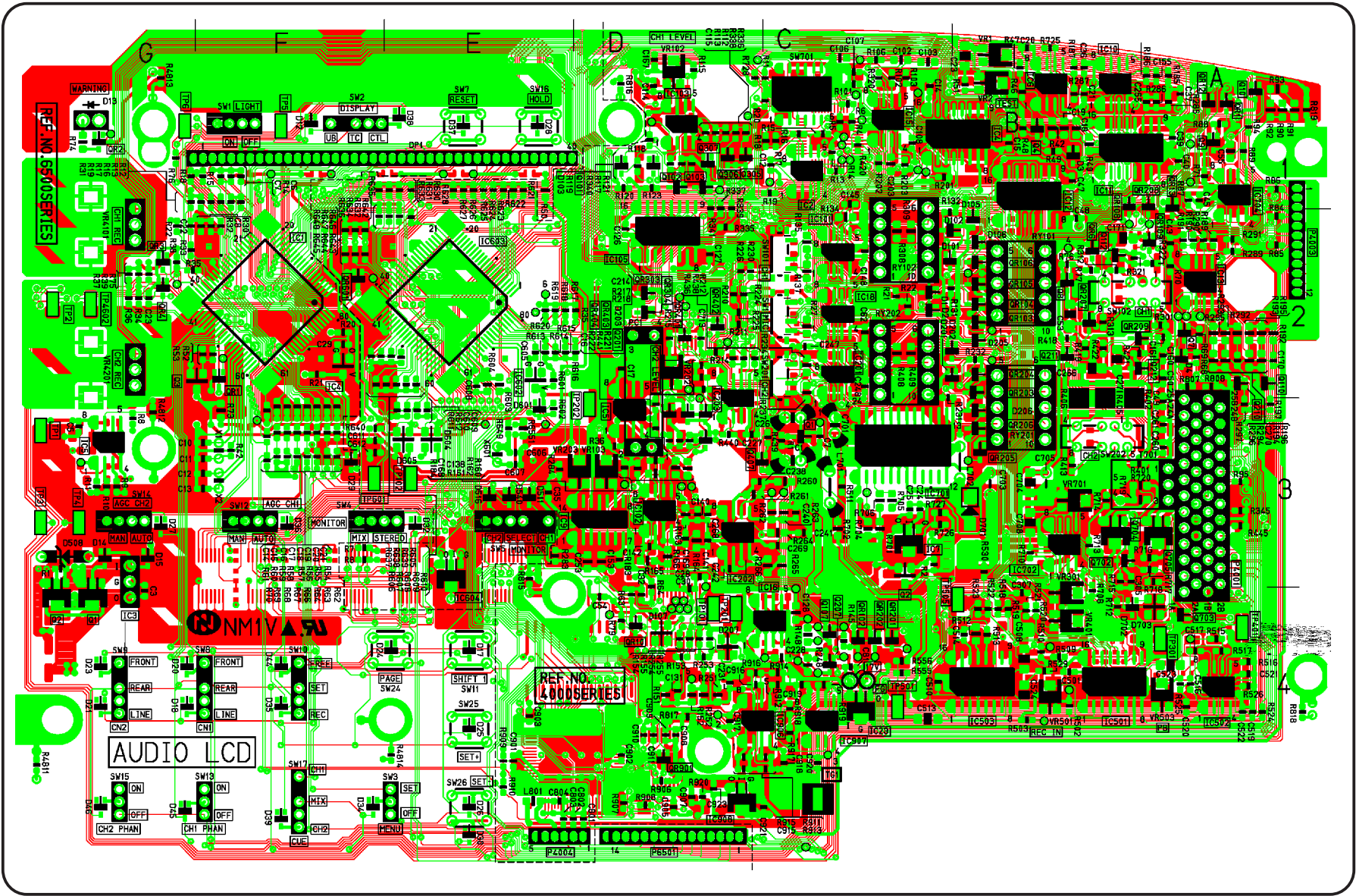
REF	LOC	REF	LOC	REF	LOC
IC100	B2	P604	A3	Q816	A2
IC204	C4	P605	A2	Q817	A2
IC301	C2	P606	B1	Q820	A1
IC302	B1	P607	C1	Q825	D1
IC303	D1	P608	E2	Q826	D2
IC407	A4	P609	E3	Q830	D2
IC501	C2	P610	E3	Q832	D2
IC601	B3	P611	E4	QR106	A4
IC602	B3	P612	D4	QR107	B4
IC605	A3	P613	C4	QR601	B3
IC606	A3	P614	A1	QR603	B3
IC607	A3	P615	E1	QR814	A1
IC609	B3	P616	C4	SW901	B2
IC801	C2	P618	B4	TG114	D1
IC803	D1	P619	B4	TP100	C1
P1	B2	P620	C1		
P600	B4	P621	C1		
P601	A4	Q401	A4		
P602	A4	Q811	D4		
P603	A3	Q815	A2		



(COMPONENT SIDE)

AUDIO LCD P.C.BOARD (VEP04727B)

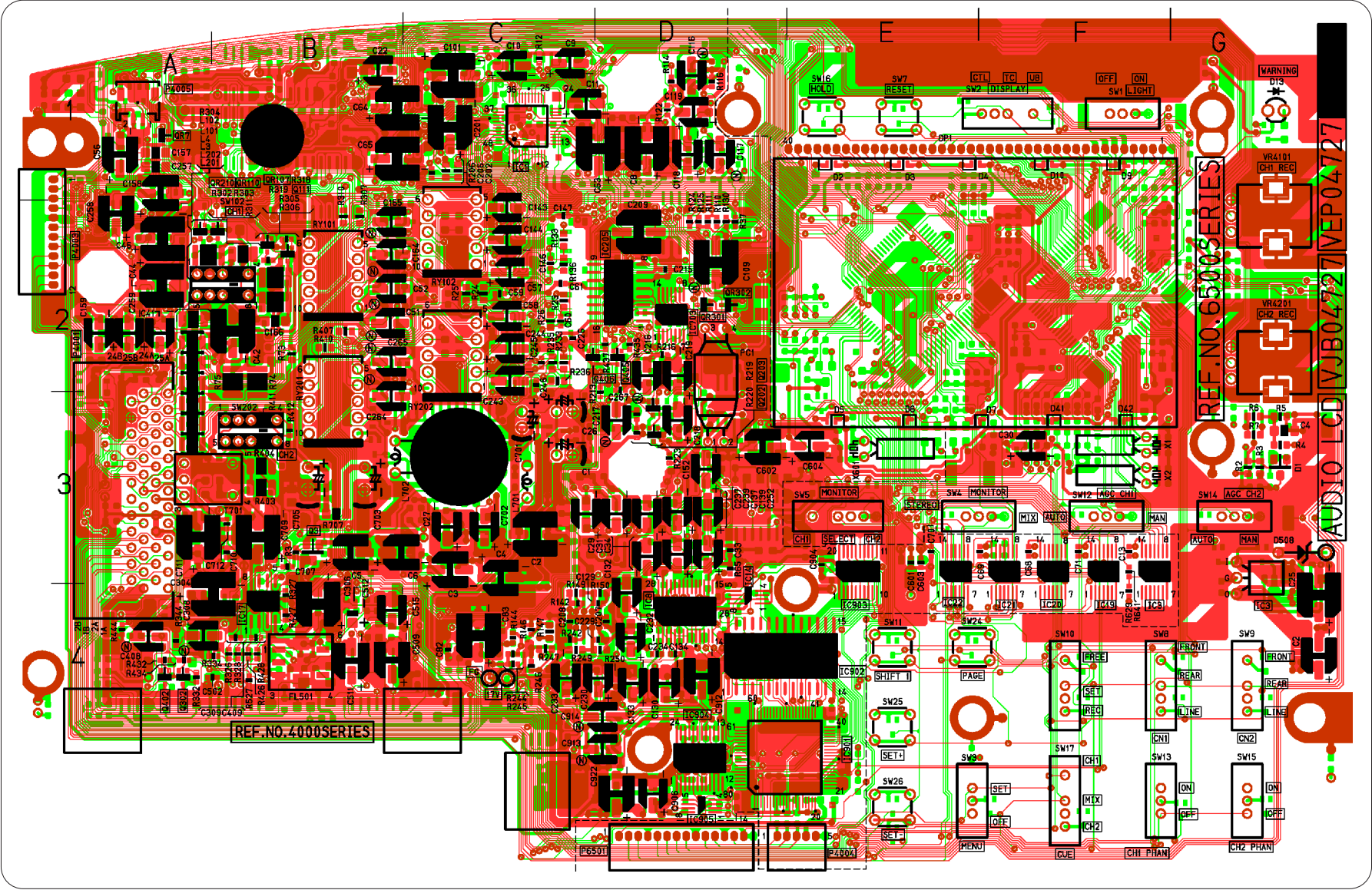
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4002	C1	IC4203	C2	Q4008	B2	Q4704	A3	QR4204	B2	SW4201	C2	VR4002	B1
IC4004	B1	IC4501	A4	Q4009	A1	Q4705	A3	QR4205	B3	SW4701	C1	VR4102	D1
IC4005	D2	IC4502	A4	Q4010	A1	Q6501	G3	QR4206	B3	TG4001	C4	VR4103	D3
IC4006	B1	IC4503	B4	Q4101	D1	Q6502	G3	QR4207	B2	TP4101	D4	VR4202	D2
IC4007	B3	IC4602	E2	Q4102	D1	Q6503	F2	QR4208	A1	TP4102	E3	VR4203	D3
IC4009	D3	IC4603	E2	Q4103	D1	QR4001	A1	QR4209	A2	TP4201	C4	VR4301	B3
IC4010	A1	IC4604	E3	Q4107	C4	QR4006	A2	QR4303	D2	TP4202	D2	VR4401	B4
IC4011	A1	IC4701	C3	Q4110	A2	QR4010	D4	QR4304	D2	TP4301	A4	VR4501	B4
IC4012	B1	IC4702	B3	Q4112	A2	QR4012	A1	QR4401	D2	TP4401	A4	VR4503	A4
IC4013	A2	IC4704	A1	Q4201	D3	QR4013	A1	QR4402	D2	TP4501	C4	VR4701	B3
IC4015	C1	IC4906	C4	Q4207	C4	QR4102	C4	QR4403	D2	TP4505	B3		
IC4016	C4	IC4907	C4	Q4210	A2	QR4103	B2	QR4404	D2	TP4601	E3		
IC4018	C2	IC4908	C4	Q4211	B2	QR4104	B2	QR4601	F2	TP4602	G2		
IC4023	C4	IC6501	F2	Q4212	A2	QR4105	B2	QR4901	D4	TP6501	G3		
IC4101	C2	IC6504	F2	Q4305	C1	QR4106	B2	QR6501	F2	TP6502	G2		
IC4102	D3	IC6505	G3	Q4306	C1	QR4108	A1	QR6502	G1	TP6503	G3		
IC4103	D1	Q4001	C3	Q4307	D1	QR4109	A2	QR6503	G2	TP6504	G3		
IC4105	D1	Q4002	C3	Q4407	C3	QR4201	C4	QR6504	G2	TP6505	F1		
IC4201	C2	Q4004	B1	Q4702	A3	QR4202	C4	SW4001	C2	TP6506	F1		
IC4202	C3	Q4007	A2	Q4703	A4	QR4203	B2	SW4101	C2	VR4001	B1		



(FOIL SIDE)



REF	LOC	REF	LOC	REF	LOC
IC4001	C1	P4005	A1	SW6502	F1
IC4003	G3	P6501	D4	SW6503	F4
IC4008	D4	PC4001	D3	SW6504	F3
IC4014	D4	Q4003	B3	SW6505	E3
IC4017	B4	Q4111	B2	SW6507	E1
IC4019	F3	Q4202	D3	SW6508	G4
IC4020	F3	Q4203	D2	SW6509	G4
IC4021	F3	Q4302	A4	SW6510	F4
IC4022	F3	Q4402	A4	SW6511	E4
IC4205	D2	Q4405	D2	SW6512	F3
IC4703	D2	Q4406	D2	SW6513	G4
IC4901	E4	QR4007	A1	SW6514	G3
IC4902	E4	QR4107	B2	SW6515	G4
IC4903	E3	QR4110	B1	SW6516	E1
IC4904	D4	QR4210	B1	SW6517	F4
IC4905	D4	QR4301	D2	SW6524	F4
IC6503	G3	QR4302	D2	SW6525	E4
P4001	A3	SW4102	G2	SW6526	E4
P4003	A1	SW4202	G3	VR4101	G1
P4004	E4	SW6501	G1	VR4201	G2

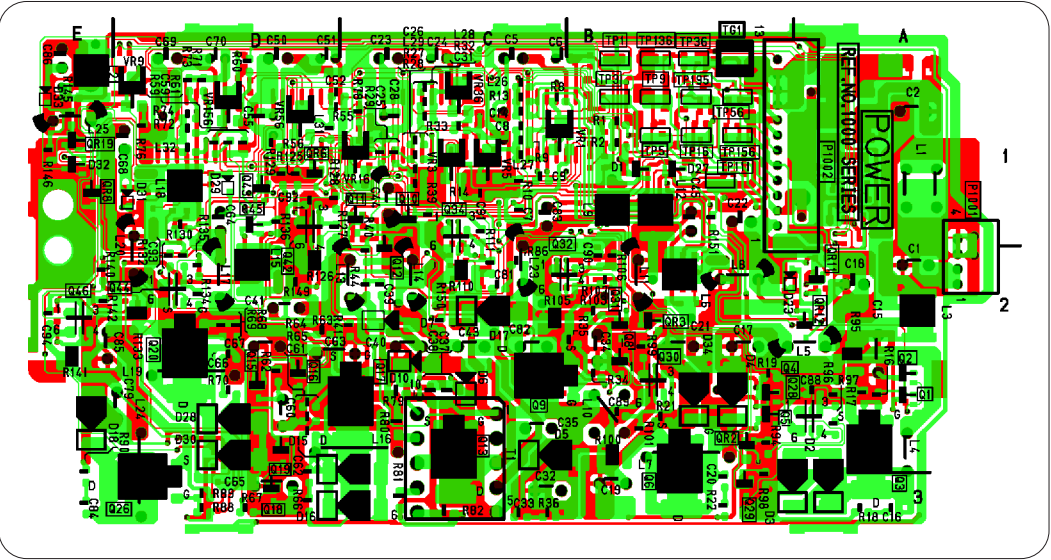


(COMPONENT SIDE)

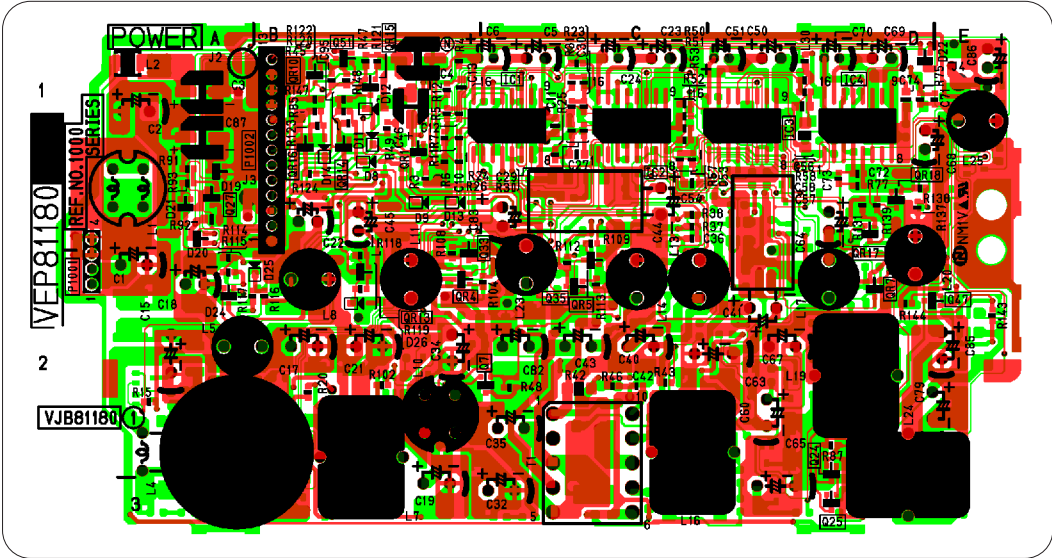
POWER P.C.BOARD (VEP81180E[NTSC])(VEP81180F[PAL])

REF	LOC
P1001	A2
P1002	B1

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1001	C1	Q1018	A3	Q1047	D2	TG1001	C1
IC1002	C1	Q1019	A2	Q1051	B1	TP1001	C1
IC1003	D1	Q1020	A2	QR1001	B1	TP1003	C1
IC1004	D1	Q1024	D2	QR1002	D2	TP1005	C1
Q1001	D2	Q1025	D3	QR1003	C2	TP1009	C1
Q1002	D2	Q1026	A3	QR1004	B2	TP1016	C1
Q1003	D2	Q1027	A1	QR1005	C2	TP1036	C1
Q1004	D2	Q1028	D2	QR1006	B1	TP1056	D1
Q1005	D2	Q1029	D3	QR1007	D2	TP1111	C1
Q1006	C2	Q1030	C2	QR1008	A1	TP1136	C1
Q1007	B2	Q1031	C2	QR1010	B1	TP1156	D1
Q1008	C2	Q1032	C2	QR1011	D2	TP1195	C1
Q1009	C2	Q1033	B2	QR1012	D2	VR1001	C1
Q1010	B1	Q1034	B1	QR1013	B2	VR1003	B1
Q1011	B1	Q1035	C2	QR1014	B1	VR1005	B1
Q1012	B2	Q1042	B1	QR1015	B1	VR1009	A1
Q1013	B2	Q1043	A1	QR1016	B1	VR1016	B1
Q1015	A2	Q1044	A2	QR1017	D1	VR1036	B1
Q1016	B2	Q1045	A1	QR1018	D1	VR1056	B1
Q1017	B2	Q1046	A2	QR1019	A1	VR1156	A1

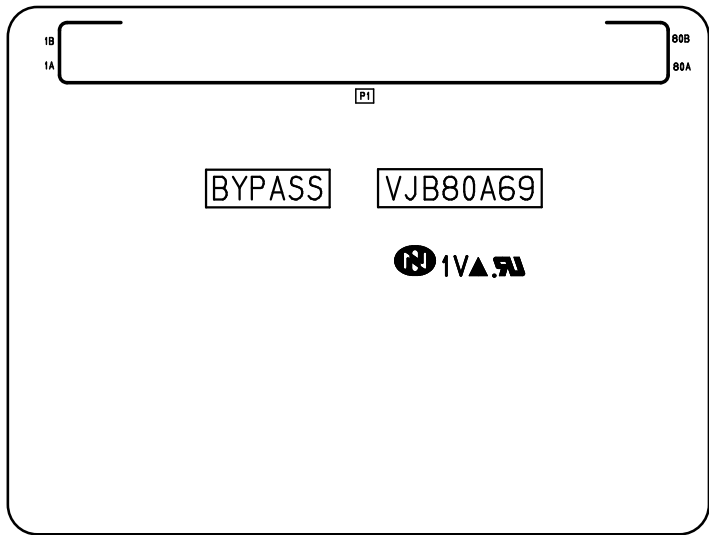


(FOIL SIDE)



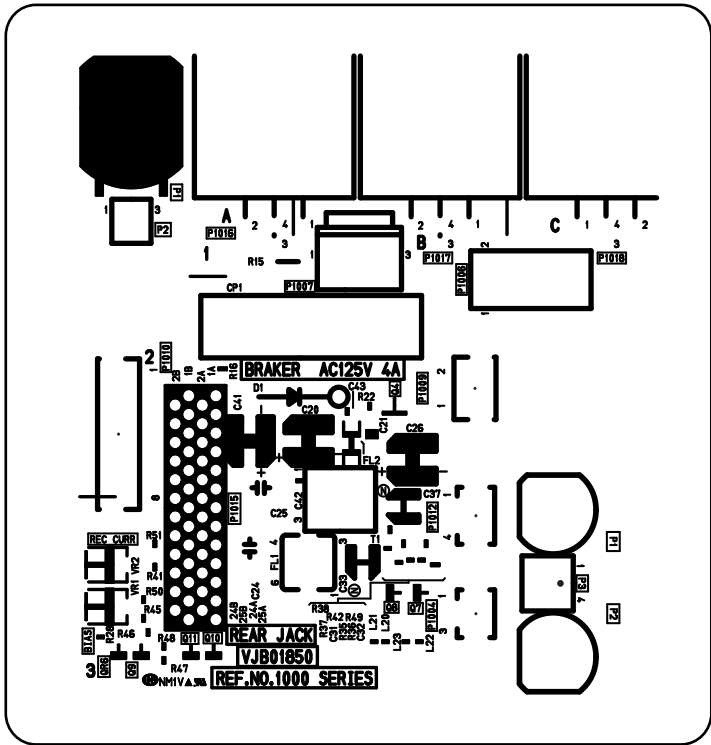
(COMPONENT SIDE)

BYPASS P.C.BOARD (VEP80A69A)

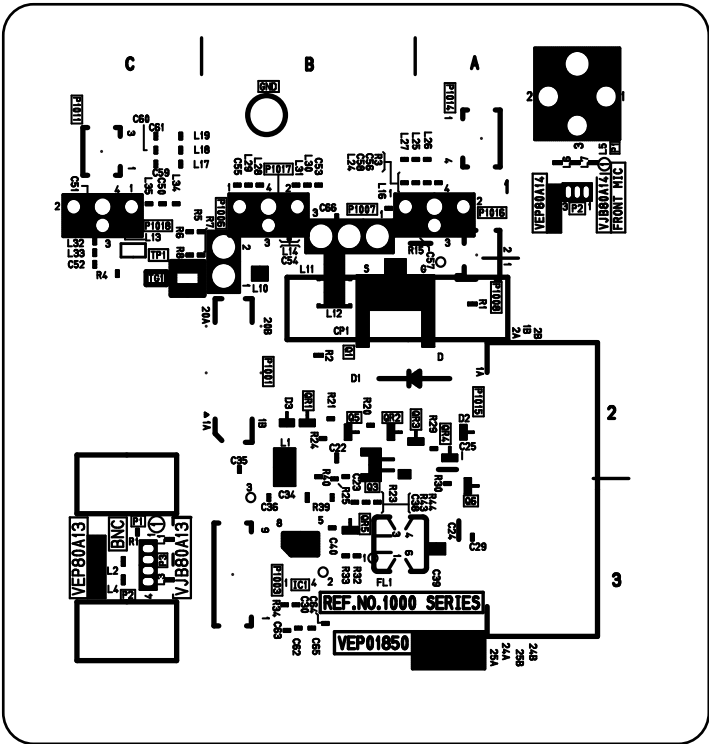


(COMPONENT SIDE)

REAR JACK P.C.BOARD (VEP01850B[NTSC])(VEP01850C[PAL])

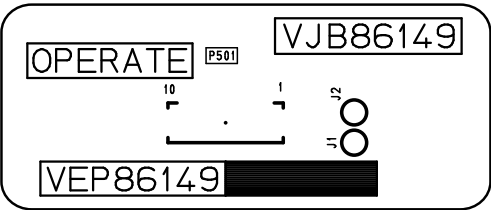


(FOIL SIDE)

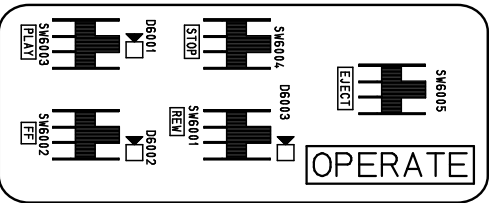


(COMPONENT SIDE)

OPERATE P.C.BOARD (VEP86149A)

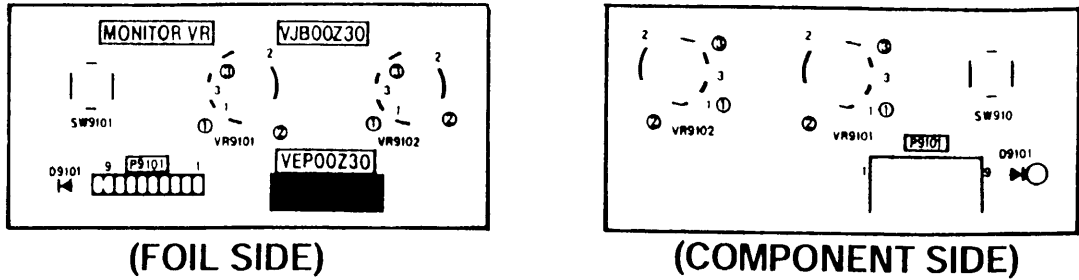


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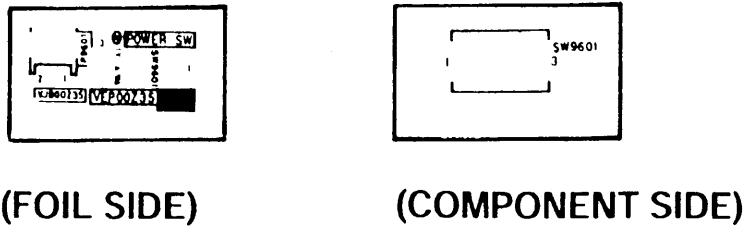


(COMPONENT SIDE)

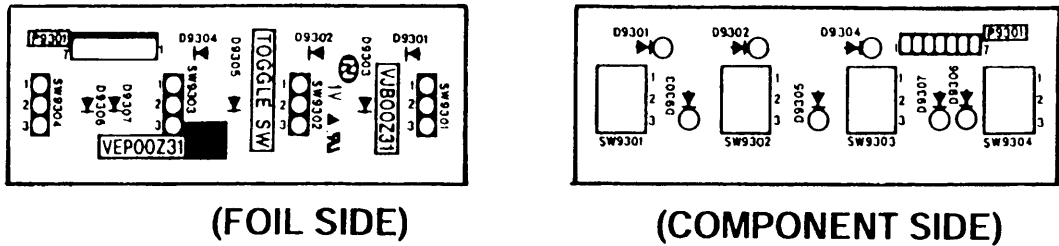
ALARM/MONITOR P.C.BOARD(VEP00Z30A)



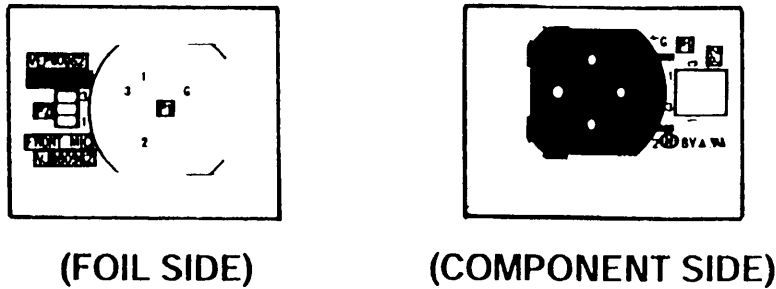
POWER SW P.C.BOARD(VEP00Z35A)



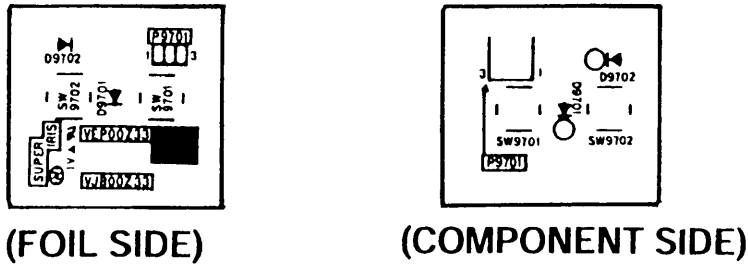
TOGGLE SW P.C.BOARD(VEP00Z31A)



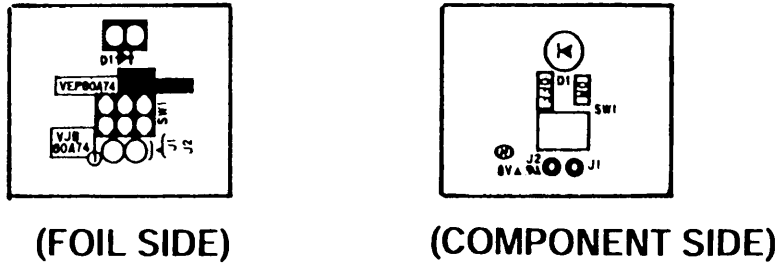
FRONT MIC P.C.BOARD(VEP80962A)



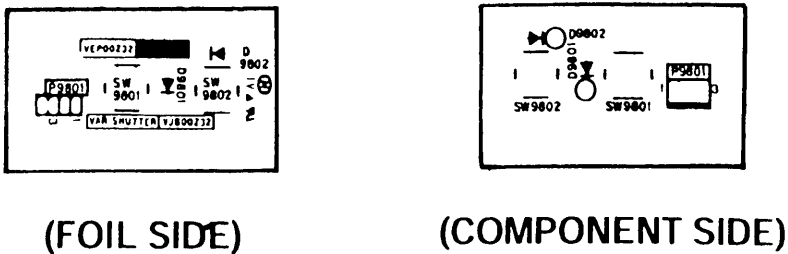
SUPER IRIS P.C.BOARD(VEP00Z33A)



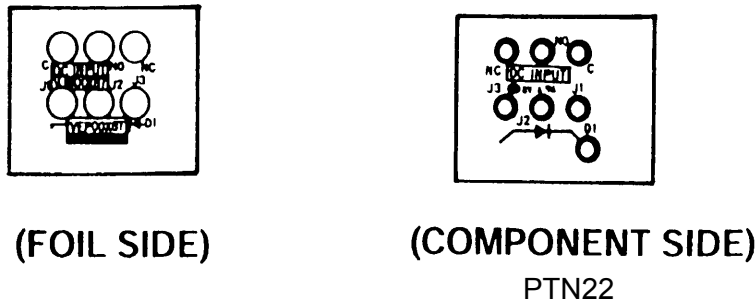
BACK TALLY P.C.BOARD(VEP80A74A)



VAR SHUTTER P.C.BOARD(VEP00Z32A)



DC INPUT P.C.BOARD(VEP00X87A)





# SECTION 8

## EXPLODED VIEWS & PARTS LIST

**Note:**

1. \*Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000  
OHMS, all capacitors are in MICROFARADS ( $\mu$ F), P=pF.
3. The P.C. Board units marked with "■" shown below the main assembled parts.
4. The parts marked with E on the exploded view show the electric parts.
5. **IMPORTANT SAFETY NOTICE**  
Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.  
After the discontinuation of this assembly in production, it will no longer be available

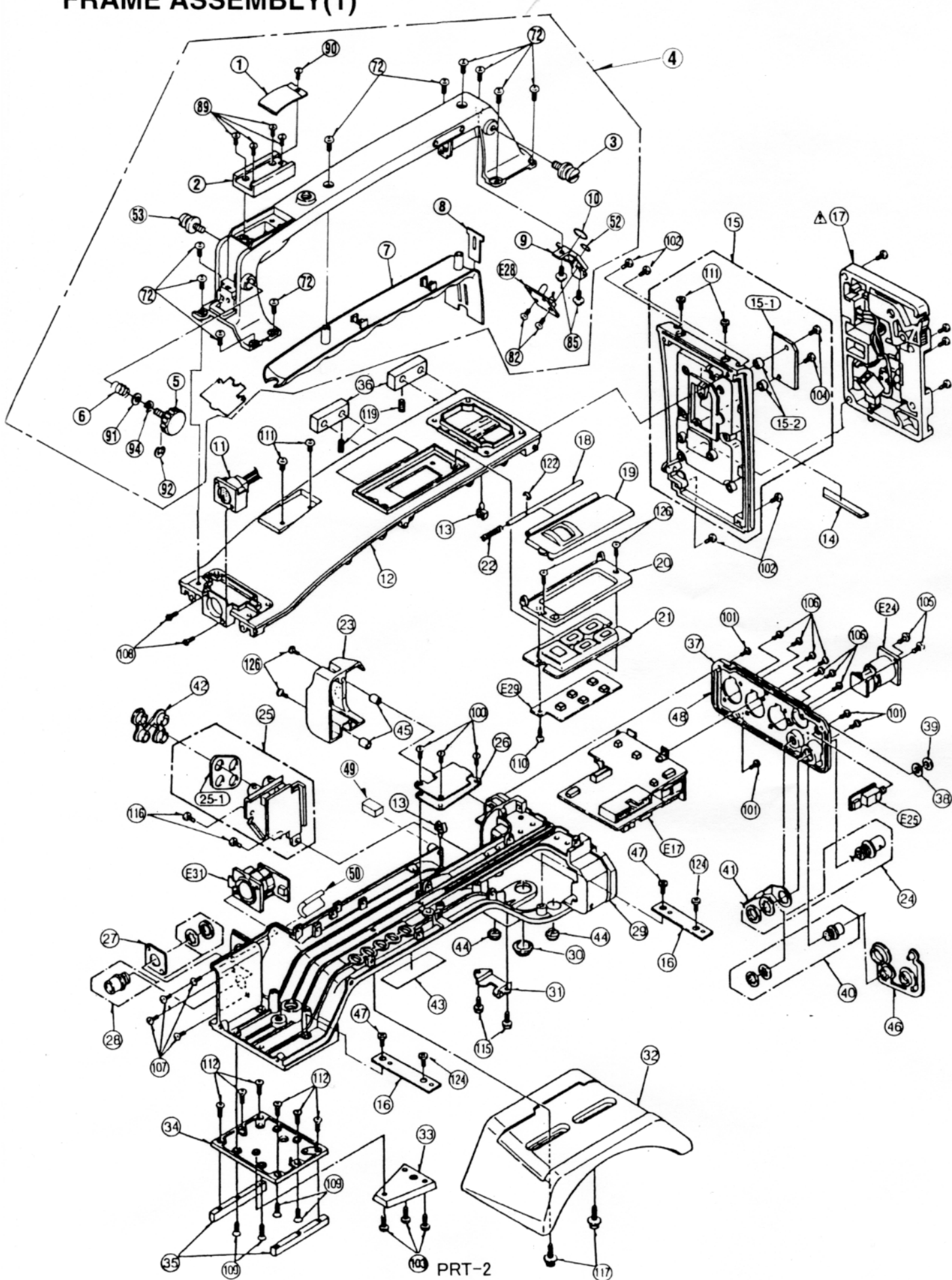
<<Abbreviations for part>>

<NAME>	<DESCRIPTIONS>
C. CAPACITOR	: CERAMIC CAPACITOR
C. CAPACITOR CH	: CERAMIC CHIP CAPACITOR
E. CAPACITOR	: ELECTROLYTIC CAPACITOR
G. CAPACITOR	: GLASS CAPACITOR
M. CAPACITOR	: MICA CAPACITOR
P. CAPACITOR	: PLASTIC FILM CAPACITOR
S. CAPACITOR	: SEMI-CONDUCTOR CAPACITOR
T. CAPACITOR	: TANTALUM CAPACITOR
TRIMMER :	TRIMMER
C. RESISTOR	: CARBON RESISTOR
F. RESISTOR	: FUSE RESISTOR
M. RESISTOR	: METAL OXIDE RESISTOR
M. RESISTOR CH	: METAL OXIDE CHIP RESISTOR
S. RESISTOR	: SOLID RESISTOR
V. RESISTOR	: VARIABLE RESISTOR
W. RESISTOR	: WIRE WOUND RESISTOR
COMBI. TR-R	: TRANSISTOR-RESISTOR COMBINATION PARTS
COMBI. R-R	: RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R	: CAPACITOR-RESISTOR COMBINATION PARTS
COMBI. C-R-R	: CAPACITOR-RESISTOR-COIL COMBINATION PARTS
P.C. BOARD	: PRINTED CIRCUIT BOARD
W/COMPONENT :	WITH COMPONENT



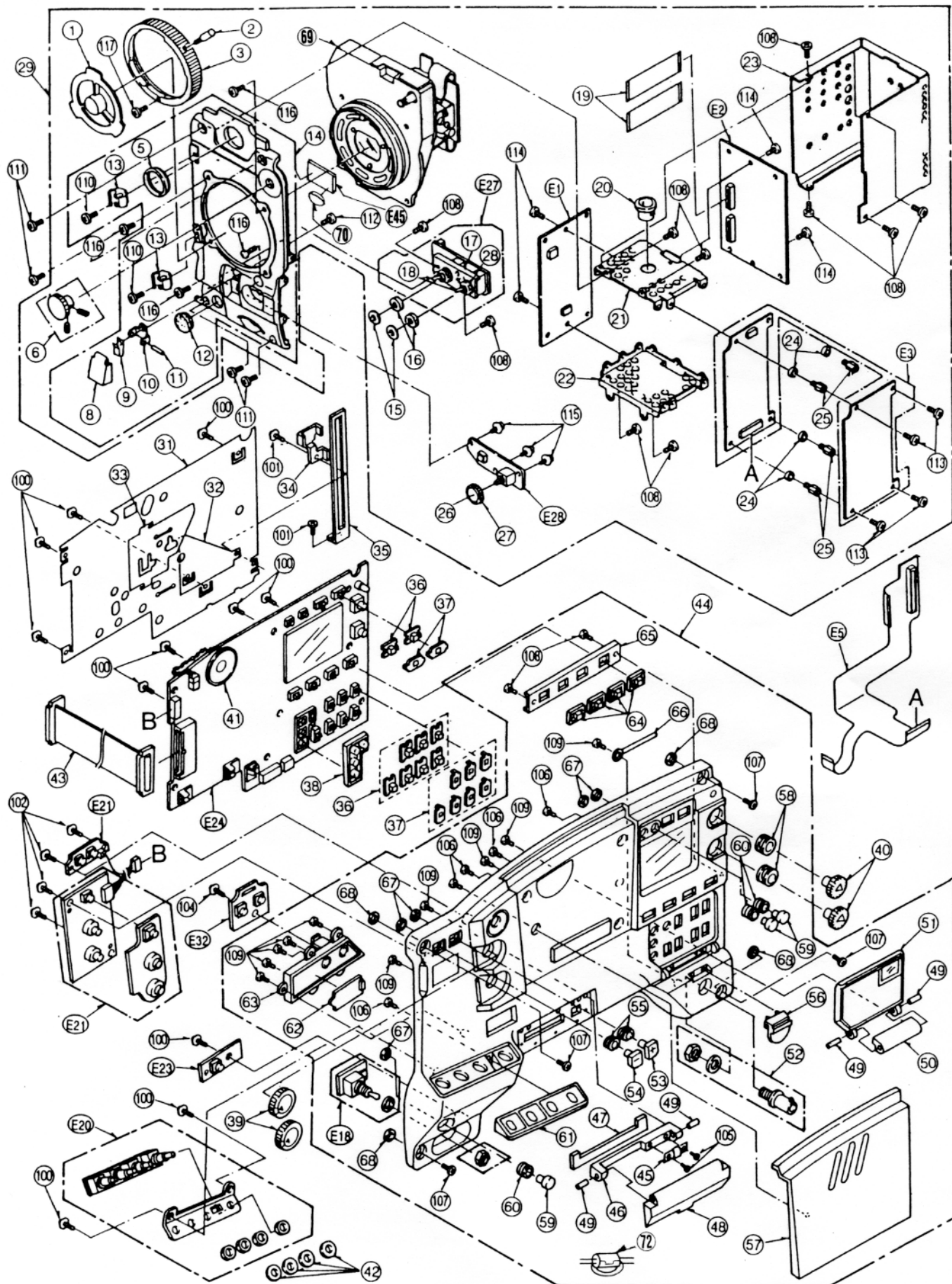
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	4G28145	SPRING	1		117	XYN3+F8	SCREW	2	
2	V5MA0046A4	CAMERA SHOE	2		118	XYN2+F6	SCREW	2	
3	VMS4284	BELT HOOK PIN	1		119	XXE26W3FP	HEX SCREW	2	
4	VYH0270	HANDLE ASS'Y	1		120	XWE4FZ	WASHER	1	
5	VGU7080	SIDE U LOCK KNOB	1		121	XUC3FP	E-RING	1	
6	VMB1615	SPRING	1		122	XUC12VM	E-RING	1	
7	VKF2700	HANDLE COVER	1		123	XWA4BFZ	WASHER	1	
8	VKF2516	CARD COVER	1		124	XYN3+K8	SCREW	2	
9	VGL0720	TALLY COVER	1		125	XSN26+4FC	SCREW	1	
10	VMG0950	P8 O_RING	1		126	XSN2+8FZ	SCREW	2	
11	VEE0G49	EVF CONNECTOR	1						
12	VGM1688	UPPER CASE	1						
13	VJF0909	CABLE CLAMPER	2		E17	VEP01850B	REAR JACK P.C.BOARD	1	FOR AJ-D610WAP
15	VYK9404	BACK CASE ASS'Y	1	FOR AJ-D610WAP	E17	VEP01850C	REAR JACK P.C.BOARD	1	FOR AJ-D610WAE
15	VYK9405	BACK CASE ASS'Y	1	FOR AJ-D610WAE	E25	VEP00W08B	HEADPHONE P.C.BOARD	1	
15-1	VGf0709	BACK CASE COVER	1		E26	VEP00X87A	DC INPUT P.C.BOARD	1	
15-2	VMX2606	SPACER	1		E29	VEP86149A	OPERATE P.C.BOARD	1	
16	VKC0560	HINGE	2		E30	VEP80858A	BACK TALLY P.C.BOARD	1	
18	VMS5860	DOOR SHAFT	1		E31	VEP80A14B	FRONT MIC P.C.BOARD	1	
19	VKF3065	VTR OPERATION DOOR	1						
20	VGK2476	VTR OPERATION BASE	1						
21	VGU8218	VTR OPERATION BUTTON	1						
22	VMB2917	DOOR SPRING	1						
23	VKF3087	CONNECTOR COVER	1						
24	VJS1440	CONNECTOR (FEMALE)	1						
25	VEK8340	CONNECTOR (L)	1	FOR AJ-D610WAP					
25	VEK8851	CONNECTOR (L)	1	FOR AJ-D610WAE					
25-1	VMG1089	RAIN COVER SPONGE	1						
26	VSC4400	SHIELD CASE	1						
27	VMP4853	LENS CONNECTOR PLATE	1						
28	VEE0D31	LENS CONNECTOR	1						
29	VGM1631	LOWER CASE	1						
30	VMG0643	BRAKER CAP	1						
31	VMP4896	BACK LOCK ANGLE	1						
32	VMT0768	SHOLDER PAD	1						
33	VGM1277	FRONT FOOT BASE	1						
35	VKA0299	FRONT FOOK	1						
36	VMX2779	MECHA SPACER	2						
37	VGM1263	JACK PANEL	1						
38	VMX0531	CLATCH SPACER	1						
39	VHN0194	SPACER	1						
40	VEE9413	CONNECTOR	1						
42	VMG1097	CONNECTOR CAP (A)	1						
43	VGQ4060	NET	1						
44	VMG0954	REAR FOOT	2						
45	VMX2606	SPACER	2						
46	VMG1098	CONNECTOR CAP (B)	1						
47	VHD0325	SCREW	2						
48	VMG0832	SHIELD TUBE	1						
49	VMT0824	GASKET	1						
50	VMT0823	DUST PROOF CUSHION (C)	1						
51	VMP5255	GND ANGLE	1						
52	VMG0955	P4 O_RING	1						
53	VMS6234	BELT HOOK PIN	1						
100	XSB26+6	SCREW	3						
101	XSN3+8FCK	SCREW	4						
102	XSB3+10FCK	SCREW	4						
103	XSB4+6FC	SCREW	3						
104	XSB3+6FZ	SCREW	2						
105	XSN26+6FC	SCREW	2						
106	XSN26+6FCK	SCREW	7						
107	XSN26+8FCK	SCREW	4						
108	XSS2+4FZ	SCREW	2						
109	XSS3+8FZ	SCREW	4						
110	XTN2+4G	SCREW	1						
111	XSB4+6FCK	SCREW	2						
112	XTS26+6J	SCREW	6						
113	XSB3+8FZ	SCREW	6						
114	XTN2+6G	SCREW	2						
115	XYN26+C8FZ	SCREW	2						
116	XYN3+C6	SCREW	2						

# FRAME ASSEMBLY(1)





# FRAME ASSEMBLY(2)







This diagram is an exploded view of a mechanical assembly, likely a piece of industrial equipment. It shows various components separated to illustrate their assembly sequence and relative positions. The parts are numbered as follows:

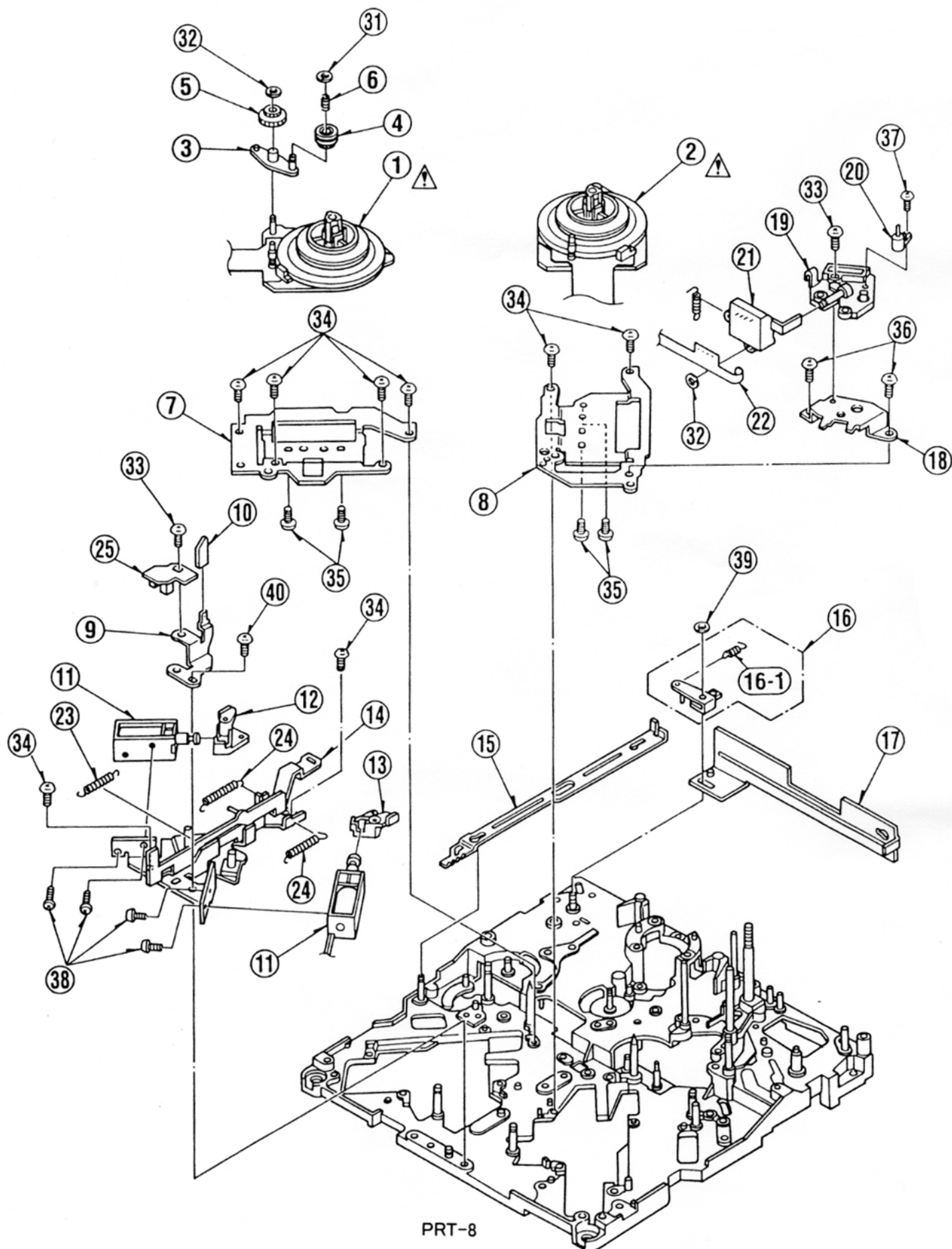
- 1-1, 1-2, 1-3:** Top frame or cover components.
- 2-1, 2-2, 2-3, 2-4, 2-5, 2-6:** Components related to the main body or door frame.
- 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24:** Various structural, fastening, and internal components.
- E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, E12, E13, E14, E15, E16, E17, E18, E19, E20, E21, E22, E23, E24, E25, E26, E27, E28, E29, E30, E31, E32, E33, E34, E35, E36, E37, E38, E39, E40, E41, E42, E43, E44, E45, E46, E47, E48, E49, E50, E51, E52, E53, E54, E55, E56, E57, E58, E59, E60, E61, E62, E63, E64, E65, E66, E67, E68, E69, E70, E71, E72, E73, E74, E75, E76, E77, E78, E79, E80, E81, E82, E83, E84, E85, E86, E87, E88, E89, E90, E91, E92, E93, E94, E95, E96, E97, E98, E99, E100:** A large set of small, numbered components, possibly fasteners or internal parts.

The diagram uses dashed lines to indicate the assembly path and alignment of the parts. The components are arranged in a way that shows how they fit together to form the final assembly.






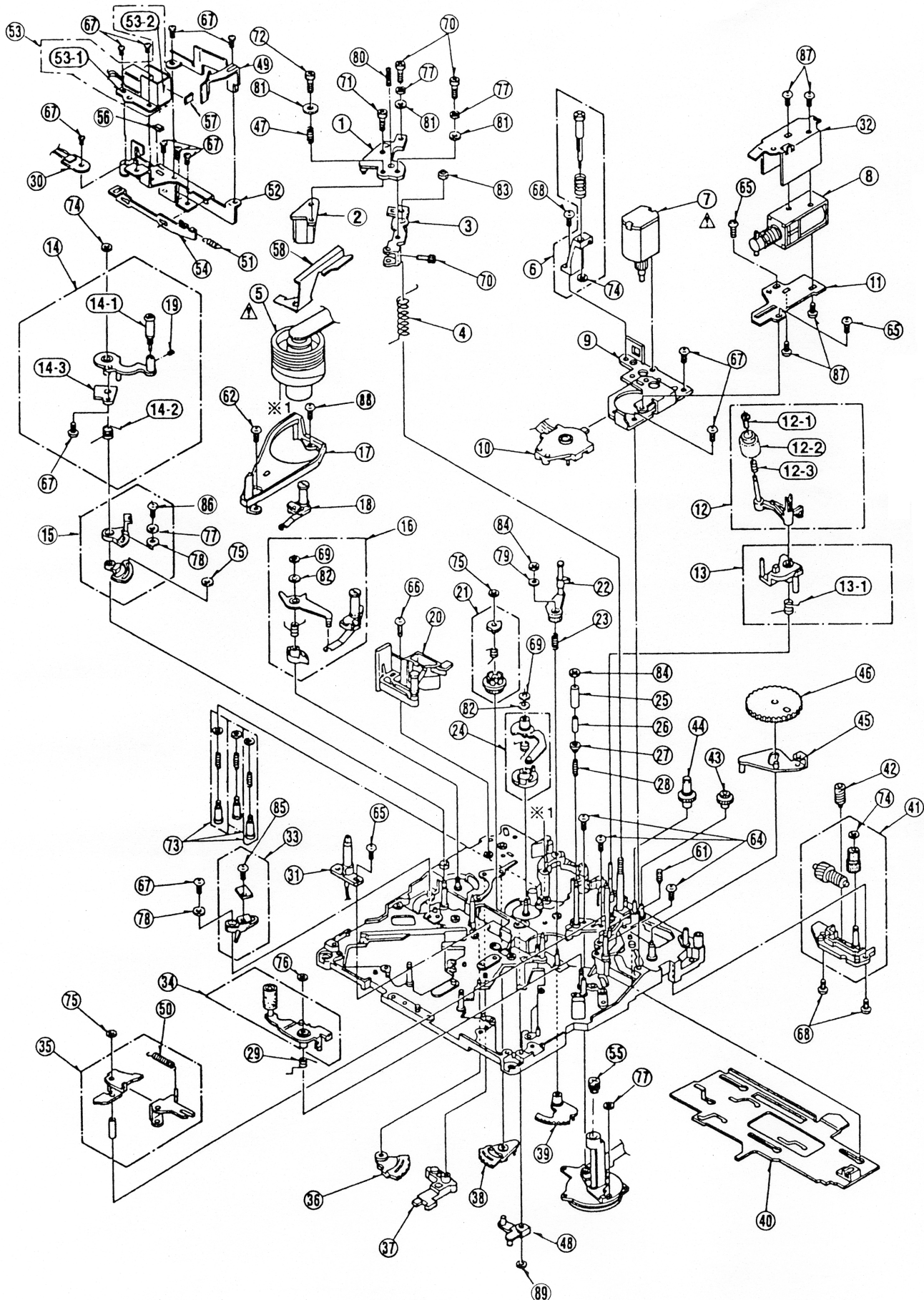
# MECHANICAL CHASSIS ASSEMBLY(1)





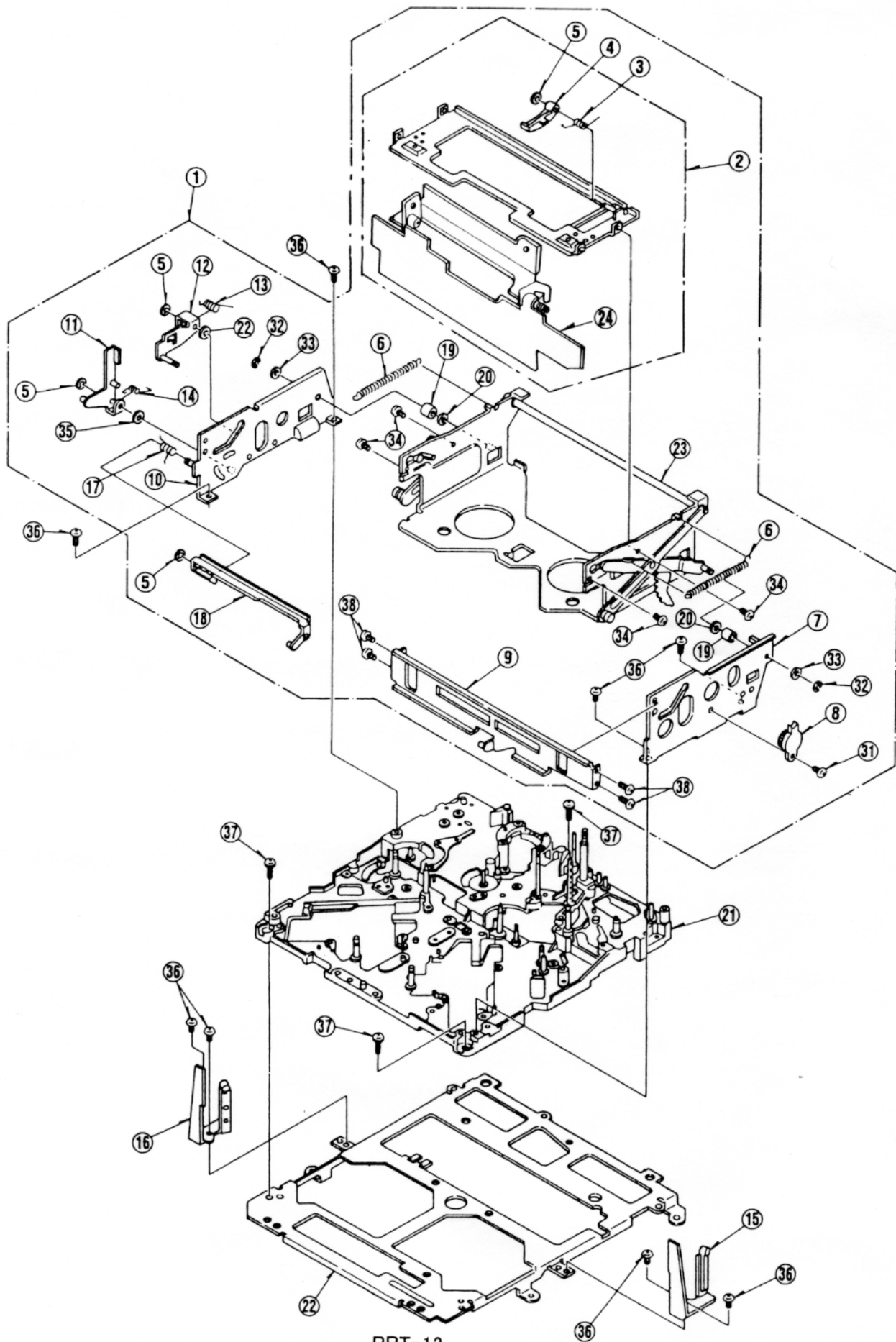
Components identified with the mark  have the special characteristics for safety.  
When replacing any of these components, use only the same type.

## MECHANICAL CHASSIS ASSEMBLY(2)



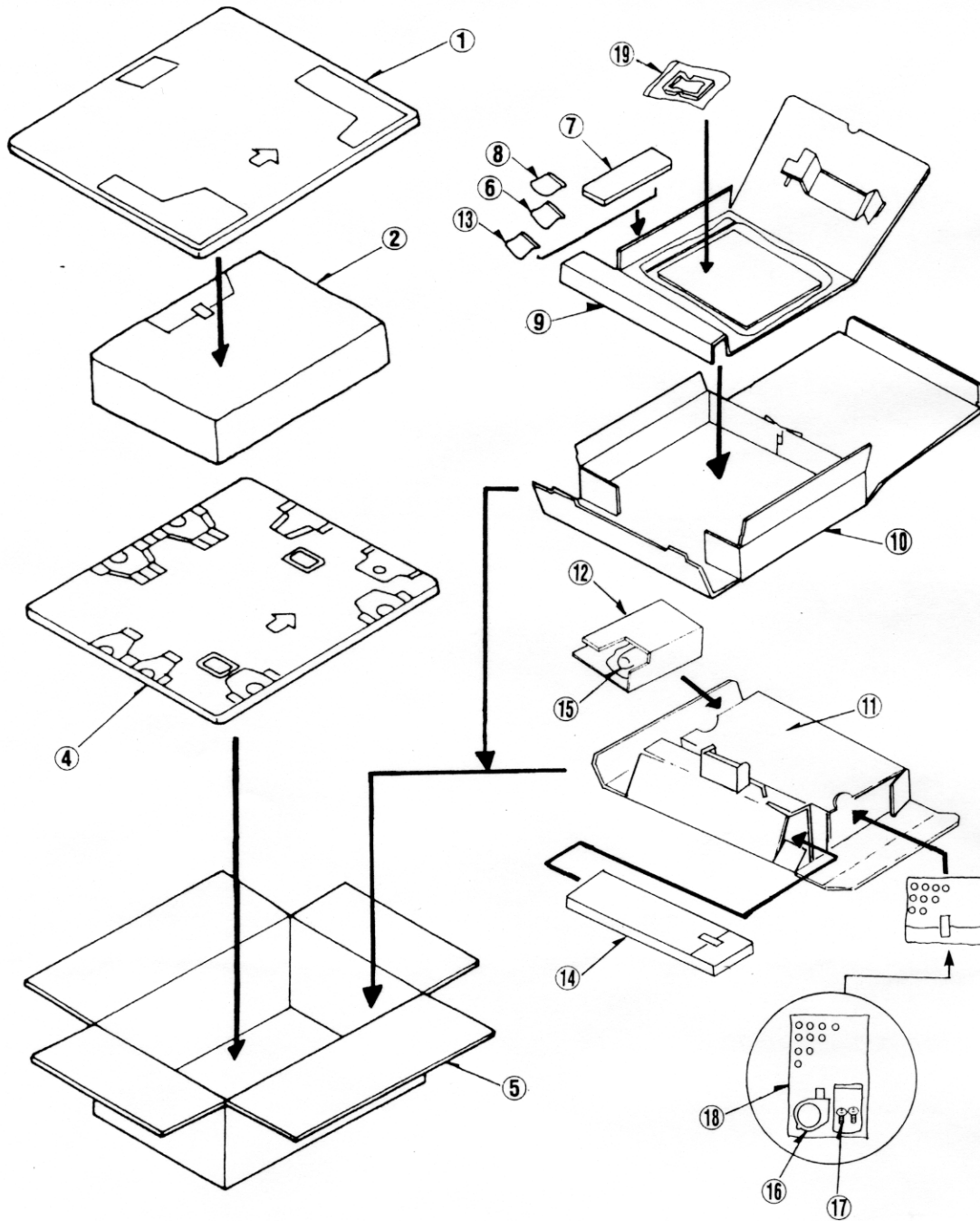


# CASSETTE COMPARTMENT ASSEMBLY





## PACKING PARTS ASSEMBLY







Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E1	VEP25016J	CDS P.C.BOARD	1	(RTL)
C3004	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3005	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3006	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3007	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3101	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3102	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3103,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3105	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3106,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3108	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3109	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3111	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3112	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3114	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C3116	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C3118	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3201	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3202	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3203,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3205	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3206,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3208	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3209	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3211	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3212	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3214	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	
C3216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C3218	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C3301	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3302	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3303,04	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3305	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3306,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3308	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	
C3309	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3311	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3312	ECST1ED226Z	T.CAPACITOR CH 25V 22U	1	
C3314	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	
C3316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
D3001	MA3047-M	DIODE	1	
D3102	MA151K	DIODE	1	
D3202	MA151K	DIODE	1	
D3302	MA151K	DIODE	1	
IC3001	NJM431U	IC	1	
IC3002	NJM2904M	IC	1	
P3001	VJP3125B006	CONNECTOR (MALE) 6P	1	
P3002	VJP3550B014	CONNECTOR (MALE)	1	
P3003	VJP3125B006	CONNECTOR (MALE) 6P	1	
Q3001	2SB956-R	TRANSISTOR	1	
Q3101	2SA1022-C	TRANSISTOR	1	
Q3102	3SK157J15	TRANSISTOR	1	
Q3103	2SC2295-C	TRANSISTOR	1	
Q3104	2SA1022-C	TRANSISTOR	1	
Q3105	3SK157J15	TRANSISTOR	1	
Q3106	2SC2295-C	TRANSISTOR	1	
Q3107	2SA1022-C	TRANSISTOR	1	
Q3108	3SK157J15	TRANSISTOR	1	
Q3109	2SC2295-C	TRANSISTOR	1	
Q3110	2SA1022-C	TRANSISTOR	1	
Q3111	3SK157J15	TRANSISTOR	1	
Q3112	2SC2295-C	TRANSISTOR	1	
Q3113	2SA1022-C	TRANSISTOR	1	
Q3114	3SK157J15	TRANSISTOR	1	
Q3115-20	2SC2295-C	TRANSISTOR	6	
Q3121,22	2SA1226E34	TRANSISTOR	2	
Q3123	2SB710A-R	TRANSISTOR	1	
Q3201	2SA1022-C	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3202	3SK157J15	TRANSISTOR	1	
Q3203	2SC2295-C	TRANSISTOR	1	
Q3204	2SA1022-C	TRANSISTOR	1	
Q3205	3SK157J15	TRANSISTOR	1	
Q3206	2SC2295-C	TRANSISTOR	1	
Q3207	2SA1022-C	TRANSISTOR	1	
Q3208	3SK157J15	TRANSISTOR	1	
Q3209	2SC2295-C	TRANSISTOR	1	
Q3210	2SA1022-C	TRANSISTOR	1	
Q3211	3SK157J15	TRANSISTOR	1	
Q3212	2SC2295-C	TRANSISTOR	1	
Q3213	2SA1022-C	TRANSISTOR	1	
Q3214	3SK157J15	TRANSISTOR	1	
Q3215-20	2SC2295-C	TRANSISTOR	6	
Q3221,22	2SA1226E34	TRANSISTOR	2	
Q3301	2SA1022-C	TRANSISTOR	1	
Q3302	3SK157J15	TRANSISTOR	1	
Q3303	2SC2295-C	TRANSISTOR	1	
Q3304	2SA1022-C	TRANSISTOR	1	
Q3305	3SK157J15	TRANSISTOR	1	
Q3306	2SC2295-C	TRANSISTOR	1	
Q3307	2SA1022-C	TRANSISTOR	1	
Q3308	3SK157J15	TRANSISTOR	1	
Q3309	2SC2295-C	TRANSISTOR	1	
Q3310	2SA1022-C	TRANSISTOR	1	
Q3311	3SK157J15	TRANSISTOR	1	
Q3312	2SC2295-C	TRANSISTOR	1	
Q3313	2SA1022-C	TRANSISTOR	1	
Q3314	3SK157J15	TRANSISTOR	1	
Q3315-19	2SC2295-C	TRANSISTOR	5	
Q3321,22	2SA1226E34	TRANSISTOR	2	
Q3323	2SC2295-C	TRANSISTOR	1	
QR3101,02	UN2217	TRANSISTOR-RESISTOR	2	
QR3201,02	UN2217	TRANSISTOR-RESISTOR	2	
QR3301,02	UN2217	TRANSISTOR-RESISTOR	2	
R3001	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3002	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3003	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3004	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3005	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R3007	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R3008	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3009	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3010,11	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R3012	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R3013,14	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3101	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3102	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3103	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3104	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3105	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3106	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3107	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3108	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3109	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3110	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3111	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3112	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3113	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3114	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3115	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3116	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3117	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3118	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3119	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3120	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3121	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3124	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3125	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3126	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3127	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3128	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3129-31	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3132,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3134	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3136	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R3137	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3139	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R3140	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3141,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3144,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3146	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3147	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3201	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3202	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3203	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3204	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3205	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3206	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3207	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3208	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3209	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3210	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3211	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3212	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3213	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3214	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3215	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3216	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3217	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3218	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3219	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3220	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3221	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3224	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3225	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3226	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3227	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3228	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3229-31	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	3	
R3232,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3234	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3239	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3241,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3244,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3246	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3247	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3301	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R3302	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3303	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3304	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3305	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3306	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3307	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3308	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3309	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3310	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3311	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3312	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3313	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3314	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3315	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3316	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3318	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3319	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3320	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R3321	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3324	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3325	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3326	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3327	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3328	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3329	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3330,31	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R3332,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3334	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R3339	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3341,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3344,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3346	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3347	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
TG3001,02	EYF6CU	TEST POINT	2	
TP3001-05	EYF6CU	TEST POINT	5	
TP3101-03	EYF6CU	TEST POINT	3	
TP3201-03	EYF6CU	TEST POINT	3	
TP3301-03	EYF6CU	TEST POINT	3	
VC3101	VCV0048	TRIMMER	1	
VC3201	VCV0048	TRIMMER	1	
VC3301	VCV0048	TRIMMER	1	
VR3101	VRV0113B502	V.RESISTOR 5K	1	
VR3102	VRV0113B203	V.RESISTOR 20K	1	
VR3201	VRV0113B502	V.RESISTOR 5K	1	
VR3202	VRV0113B203	V.RESISTOR 20K	1	
VR3301	VRV0113B502	V.RESISTOR 5K	1	
VR3302	VRV0113B203	V.RESISTOR 20K	1	
E2	VEP20768C	CCD PULSE P.C.BOARD	1	(RTL)FOR AJ-D610WAP
C2	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C8	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C9	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C11	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C12	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C14	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C16,17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
C18	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C19-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C22	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C23	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C24,25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C29,30	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C32	ECHU1C333J	P.CAPACITOR 16V 0.033U	1	
C33	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C34	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C35	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C37	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C38	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C39	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C40	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	1	
C41,42	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C43,44	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C45	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C46	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C47-49	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	3	
C50	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C51,52	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C53	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C54	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C55	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C57	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C58	VCEA1AAP680	E.CAPACITOR 10V 68U	1	
C59	ECA0JKF121	E.CAPACITOR 6.3V 120U	1	
C62	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C104	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C105	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C106	EEUFC1E221	E.CAPACITOR 16V 220U	1	
C107	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C108	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C109	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C110	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C111	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C112	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C113	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C114	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C115	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C118	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C119	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C120	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C131	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C132	EEUFC1C122	E.CAPACITOR 16V 1200U	1	
C136	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C137	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C138	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C139	ECCF1H220JC	C.CAPACITOR 50V 22P	1	
D1	MA151K	DIODE	1	
D3,D4	MA142K	DIODE	2	
D6	MA142K	DIODE	1	
D7	MA165	DIODE	1	
D102	MA3068-M	DIODE	1	
D103,04	MA3024	DIODE	2	
D108	MA3068-M	DIODE	1	
IC1	MN5280	IC	1	
IC2	MC74HC04AF	IC	1	
IC3,C4	TC7SH08F	IC	2	
IC5	74AC86SJ	IC	1	
IC6	MC74HC04AF	IC	1	
IC101,02	NJM2904M	IC	2	
IC103	NJM431U	IC	1	
IC105	NJM2904M	IC	1	
L1	VLQ0319K100	COIL 10UH	1	
L2-L4	VLP0352	FERRITE CORE	3	
P1	VJS2907D025	CONNECTOR (FEMALE)	1	
P2,P3	VJS3422B018	CONNECTOR (FEMALE)	2	
P4	VJS3550A014	CONNECTOR (FEMALE)	1	
Q1	2SK94-X4	TRANSISTOR	1	
Q2,Q3	2SC3735B35	TRANSISTOR	2	
Q4-Q6	2SD601A-R	TRANSISTOR	3	
Q102-04	2SB956-R	TRANSISTOR	3	
Q108	2SD1280-R	TRANSISTOR	1	
R5-R7	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R8-10	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R17,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R21,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R36,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R46	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R47,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R49	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R51,52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R53	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R54	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R55	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R58	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R59-61	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R62	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R65	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R66	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R69	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R70	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R71	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R72,73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R74,75	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R76	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R77,78	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R80,81	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R90,91	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R92-94	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R98	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R99	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R105	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R106	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R109	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R110	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R112	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R116	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R117	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R118	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R133	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R134	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R136	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R137	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R139,40	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R143,44	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R150,51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R204	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
R205	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
R206-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R210	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R211	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R214	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG1	EYF6CU	TEST POINT	1	
TP4-P8	EYF6CU	TEST POINT	5	
VR1-R4	VRV0161B501	V.RESISTOR 500	4	
VR8-10	VRV0161B503	V.RESISTOR 50K	3	
VR11-13	VRV0161B203	V.RESISTOR 20K	3	
X1	VSX0670	CRYSTAL OSCILLATOR	1	
E2	VEP20768D	CCD PULSE P.C.BOARD	1	(RTL)FOR AJ-D610WAE
C2	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C7	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C8	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C9	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C11	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C12	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C14	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C16,17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
C18	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C19-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C22	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C23	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C24,25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C29,30	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C32	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C33	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C34	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C35	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C37	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C38	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C39	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C40	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	1	
C41,42	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C43,44	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C45	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C46	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C47-49	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	3	
C50	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C51,52	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C53	ECEV0JV101Q	E.CAPACITOR CH 6.3V 100U	1	
C54	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C55	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C57	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C58	VCEA1AAP680	E.CAPACITOR 10V 68U	1	
C59	ECA0JKF121	E.CAPACITOR 6.3V 120U	1	
C62	ECST1VX335Z	T.CAPACITOR CH 35V 3.3U	1	
C104	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C105	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C106	EEUFC1E221	E.CAPACITOR 16V 220U	1	
C107	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C108	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C109	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C110	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C111	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C112	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C113	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C114	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C115	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C118	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C119	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C120	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C131	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C132	EEUFC1C122	E.CAPACITOR 16V 1200U	1	
C136	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C137	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C138	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C139	ECCF1H220JC	C.CAPACITOR 50V 22P	1	
D1	MA151K	DIODE	1	
D3,D4	MA142K	DIODE	2	
D6	MA142K	DIODE	1	
D7	MA165	DIODE	1	
D102	MA3068-M	DIODE	1	
D103,04	MA3024	DIODE	2	
D108	MA3068-M	DIODE	1	
IC1	MN5280	IC	1	
IC2	MC74HC04AF	IC	1	
IC3,C4	TC7SH08F	IC	2	
IC5	74AC86SJ	IC	1	
IC6	MC74HC04AF	IC	1	
IC101,02	NJM2904M	IC	2	
IC103	NJM431U	IC	1	
IC105	NJM2904M	IC	1	
L1	VLP0328A102	FERRITE CORE	1	
L2-L4	VLP0352	FERRITE CORE	3	
P1	VJS2907D025	CONNECTOR (FEMALE)	1	
P2,P3	VJS3422B018	CONNECTOR (FEMALE)	2	
P4	VJS3550A014	CONNECTOR (FEMALE)	1	
Q1	2SK94-X4	TRANSISTOR	1	
Q2,Q3	2SC3735B35	TRANSISTOR	2	
Q4-Q6	2SD601A-R	TRANSISTOR	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q102-04	2SB956-R	TRANSISTOR	3	
Q108	2SD1280-R	TRANSISTOR	1	
R5-R7	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R8-10	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R17,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R21,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R27,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R36,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R46	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R47,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R49	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R51,52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R53	ERJ3RBD513	M.RESISTOR CH 1/16W 51K	1	
R54	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R55	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R58	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R59-61	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R62	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R63	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R65	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R66	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R69	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R70	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R71	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R72,73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R74,75	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R76	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R77,78	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R80,81	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R90,91	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R92-94	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R98	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R99	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R105	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R106	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R108	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R109	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R110	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R112	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R113	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R116	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R117	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R118	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R133	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R134	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R136	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R137	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R139,40	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R143,44	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R150,51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R200,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R204	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
R205	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
R206-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R210	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R211	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R214	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG1	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP4-P8	EYF6CU	TEST POINT	5	
VR1-R4	VRV0161B501	V.RESISTOR 500	4	
VR8-10	VRV0161B503	V.RESISTOR 50K	3	
VR11-13	VRV0161B203	V.RESISTOR 20K	3	
X1	VXS0670	CRYSTAL OSCILLATOR	1	
E3	VEP23486D	PRE PROCESS P.C.BOARD	1 (RTL)	
C101	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C102	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C103	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C104,05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C106	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C107	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C108	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C109	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C110,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C112	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C114,15	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	2	
C116	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C119	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C121	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C122	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C123	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C124	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C126,27	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	2	
C128,29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C131,32	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	2	
C133	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C134	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C135,36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C137	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C138	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C139,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C141	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C142	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1	
C143-51	VCK0303M225	C.CAPACITOR CH 25V 0.1U	9	
C152	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C154	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C155,56	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C157	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C158	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C159,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C161	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C165,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C301	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C302	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C303	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C304,05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C306	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C307	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C308	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C309	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C310,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C312	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C314,15	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	2	
C316	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C319	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C321	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C324	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C326,27	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	2	
C328,29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C331,32	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	2	
C333	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C334	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C335,36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C337	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C338	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C339,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C341	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C342	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1	
C343-51	VCK0303M225	C.CAPACITOR CH 25V 0.1U	9	
C352	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C354	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C355,56	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C357	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C358	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C359,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C361	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C365,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C501	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C502	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C503	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C504,05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C506	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C507	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C508	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C509	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C510,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C512	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C514,15	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	2	
C516	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C519	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C521	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C522	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C523	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C524	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C526,27	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	2	
C528,29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C531,32	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	2	
C533	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C534	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C535,36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C537	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C538	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C539,40	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C541	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C542	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1	
C543-51	VCK0303M225	C.CAPACITOR CH 25V 0.1U	9	
C552	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C554	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C555,56	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C557	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C558	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C559,60	ECST1EY474Z	T.CAPACITOR CH 25V 0.47U	2	
C561	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C565,66	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C701,02	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C703	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C704	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C705	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C706-09	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C710	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C712-16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C717	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C718,19	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	2	
C720	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C721	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C722	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C723	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C724,25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C726	ECST1EX335Z	T.CAPACITOR CH 25V 3.3U	1	
C727	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C728	ECST1CX156Z	T.CAPACITOR CH 16V 15U	1	
C729,30	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C731	ECST1CY335Z	T.CAPACITOR CH 16V 3.3U	1	
C732-35	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C736,37	ECST1AX226Z	T.CAPACITOR CH 10V 22U	2	
C740-43	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C800,01	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C802	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		Q124	2SD1819A	TRANSISTOR	1	
C803-06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4		Q125	2SC3930-B	TRANSISTOR	1	
C807	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		Q126	2SK662-R	TRANSISTOR	1	
C808	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q127	2SK508K512	TRANSISTOR	1	
C809	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		Q301	XP6534	TRANSISTOR-RESISTOR	1	
C810,11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		Q302	2SA1532-B	TRANSISTOR	1	
C812	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1		Q303	2SK662-R	TRANSISTOR	1	
C813	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q304	2SC3930-B	TRANSISTOR	1	
					Q305	2SK662-R	TRANSISTOR	1	
D101,02	MA142K	DIODE	2		Q306	2SK508-B	TRANSISTOR	1	
D103	HZU4BLL	DIODE	1		Q307,08	2SK508K512	TRANSISTOR	2	
D301,02	MA142K	DIODE	2		Q309,10	2SC3930-B	TRANSISTOR	2	
D303	HZU4BLL	DIODE	1		Q311	XP6401	TRANSISTOR-RESISTOR	1	
D501,02	MA142K	DIODE	2		Q312	2SK662-R	TRANSISTOR	1	
D503	HZU4BLL	DIODE	1		Q313	2SC3930-B	TRANSISTOR	1	
D701	MA142K	DIODE	1		Q314	2SA1532-B	TRANSISTOR	1	
D702,03	MA8043	DIODE	2		Q315	XP1501	TRANSISTOR-RESISTOR	1	
D704	MA8024	DIODE	1		Q316	XP6435	TRANSISTOR-RESISTOR	1	
					Q317	2SK662-R	TRANSISTOR	1	
FL101	VLF1418	FILTER	1		Q318	2SA1532-B	TRANSISTOR	1	
FL301	VLF1418	FILTER	1		Q319,20	XP1501	TRANSISTOR-RESISTOR	2	
FL501	VLF1418	FILTER	1		Q321	2SC3930-B	TRANSISTOR	1	
					Q322	2SK662-R	TRANSISTOR	1	
IC101	TC4W53FU	IC	1		Q323	XP6534	TRANSISTOR-RESISTOR	1	
IC102	TLC272CPS	IC	1		Q324	2SD1819A	TRANSISTOR	1	
IC103	CLC505AJE	IC	1		Q325	2SC3930-B	TRANSISTOR	1	
IC104	MC1495D	IC	1		Q326	2SK662-R	TRANSISTOR	1	
IC105	NJM062V	IC	1		Q327	2SK508K512	TRANSISTOR	1	
IC106	TC4W53FU	IC	1		Q501	XP6534	TRANSISTOR-RESISTOR	1	
IC107	AN90B60S	IC	1		Q502	2SA1532-B	TRANSISTOR	1	
IC301	TC4W53FU	IC	1		Q503	2SK662-R	TRANSISTOR	1	
IC302	TLC272CPS	IC	1		Q504	2SC3930-B	TRANSISTOR	1	
IC303	CLC505AJE	IC	1		Q505	2SK662-R	TRANSISTOR	1	
IC304	MC1495D	IC	1		Q506	2SK508-B	TRANSISTOR	1	
IC305	NJM062V	IC	1		Q507,08	2SK508K512	TRANSISTOR	2	
IC306	TC4W53FU	IC	1		Q509,10	2SC3930-B	TRANSISTOR	2	
IC307	AN90B60S	IC	1		Q511	XP6401	TRANSISTOR-RESISTOR	1	
IC501	TC4W53FU	IC	1		Q512	2SK662-R	TRANSISTOR	1	
IC502	TLC272CPS	IC	1		Q513	2SC3930-B	TRANSISTOR	1	
IC503	CLC505AJE	IC	1		Q514	2SA1532-B	TRANSISTOR	1	
IC504	MC1495D	IC	1		Q515	XP1501	TRANSISTOR-RESISTOR	1	
IC505	NJM062V	IC	1		Q516	XP6435	TRANSISTOR-RESISTOR	1	
IC506	TC4W53FU	IC	1		Q517	2SK662-R	TRANSISTOR	1	
IC507	AN90B60S	IC	1		Q518	2SA1532-B	TRANSISTOR	1	
IC701	NJM062V	IC	1		Q519,20	XP1501	TRANSISTOR-RESISTOR	2	
IC702	TC4W53FU	IC	1		Q521	2SC3930-B	TRANSISTOR	1	
IC703	NJU7064V	IC	1		Q522	2SK662-R	TRANSISTOR	1	
IC704,05	NJM2904V	IC	2		Q523	XP6534	TRANSISTOR-RESISTOR	1	
IC706	NJM431U	IC	1		Q524	2SD1819A	TRANSISTOR	1	
IC707	XC62AP3002M	IC	1		Q525	2SC3930-B	TRANSISTOR	1	
IC708	XC62DN3002M	IC	1		Q526	2SK662-R	TRANSISTOR	1	
					Q527	2SK508K512	TRANSISTOR	1	
P701,02	VJP3125B006	CONNECTOR (MALE) 6P	2		Q701,02	2SD1819A	TRANSISTOR	2	
P703	VJS3791D045	CONNECTOR (FEMALE)	1		Q703,04	2SB956-R	TRANSISTOR	2	
					Q705	2SD1280-R	TRANSISTOR	1	
Q101	XP6534	TRANSISTOR-RESISTOR	1		Q706	2SA1532-B	TRANSISTOR	1	
Q102	2SA1532-B	TRANSISTOR	1						
Q103	2SK662-R	TRANSISTOR	1		QR701	UN5113	TRANSISTOR-RESISTOR	1	
Q104	2SC3930-B	TRANSISTOR	1						
Q105	2SK662-R	TRANSISTOR	1		R101	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
Q106	2SK508-B	TRANSISTOR	1		R102,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
Q107,08	2SK508K512	TRANSISTOR	2		R104	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
Q109,10	2SC3930-B	TRANSISTOR	2		R105	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q111	XP6401	TRANSISTOR-RESISTOR	1		R106	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
Q112	2SK662-R	TRANSISTOR	1		R107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
Q113	2SC3930-B	TRANSISTOR	1		R108	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
Q114	2SA1532-B	TRANSISTOR	1		R109	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
Q115	XP1501	TRANSISTOR-RESISTOR	1		R110	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q116	XP6435	TRANSISTOR-RESISTOR	1		R111	ERJ3RED304	M.RESISTOR CH 1/16W 300K	1	
Q117	2SK662-R	TRANSISTOR	1		R112	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
Q118	2SA1532-B	TRANSISTOR	1		R113	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
Q119,20	XP1501	TRANSISTOR-RESISTOR	2		R114	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
Q121	2SC3930-B	TRANSISTOR	1		R115	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
Q122	2SK662-R	TRANSISTOR	1		R116	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
Q123	XP6534	TRANSISTOR-RESISTOR	1		R117	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R118	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R119	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R120	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R122	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R123	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R124	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R125	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R126,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R130	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R131	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R132	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R133,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R135	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R136	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R137	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R138	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R139	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R140	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R141,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R143	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R144	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R145	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R146	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R147	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R148	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R150	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R151	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R152	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R155	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R156	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R157	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R158	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R159	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R160	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R161	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R162	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R163	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R164	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R165	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R166	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R167	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R168	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R169	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R170	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R171	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R173	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R174	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R175	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R176	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R177	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R178	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R179	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R180	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R181	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R182	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R183	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R184	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R186	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R187	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R188	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R189,90	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R191	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R192	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R193	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R194	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R195	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R196	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R197	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R198	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R199	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R201	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R202	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R203	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R205	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R206	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R207	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R208	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R210	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R211	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R212	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R213	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R214	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R216	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R217	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R218	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R220	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R221	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R222	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R223	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R230	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R231	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R232	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R234	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R236	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
R238,39	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	2	
R240	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R241	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R301	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R302,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R304	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R305	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R306	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R307	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R309	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R311	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R312	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R313	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R314	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R315	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R316	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R317	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R318	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R319	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R321	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R322	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R323	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R324	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R325	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R326,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R330	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R331	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R332	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R333,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R335	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R336	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R337	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R338	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R339	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R340	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R341,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R343	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R344	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R345	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R346	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R347	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R348	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R350	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R351	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R352	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R353	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R354	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R355	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R356	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R357	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R358	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R359	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R360	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R361	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R362	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R364	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R365	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R366	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R367	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R368	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R370	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R371	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R372	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R373	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R374	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R375	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R376	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R377	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R378	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R379	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R380	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R381	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R382	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R383	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R384	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R385	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R386	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R387	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R389,90	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R391	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R392	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R393	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R394	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R395	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R396	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R397	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R398	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R399	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R401	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R402	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R403	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R405	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R406	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R407	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R408	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R409	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R410	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R411	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R412	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R413	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R414	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R417	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R418	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R420	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R421	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R422	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R423	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R424	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R430	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R431	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R432	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R434	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R436	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R438,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R440	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R441	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R442	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R501	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R502,03	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R504	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R505	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R506	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R507	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R508,09	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R510	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R511	ERJ3RED304	M.RESISTOR CH 1/16 300K	1	
R512	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R513	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R514	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R515	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R516	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R517	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R518	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R519	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R520	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R521	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R522	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R523	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R524	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R525	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R526,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R530	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R531	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R532	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R533,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R535	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R536	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R537	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R538	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R539	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R540	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R541,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R543	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R544	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R545	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R546	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R547	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R548	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R550	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R551	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R552	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R553	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R554	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R555	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R556	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R557	ERJ3RED914	M.RESISTOR CH 1/16W 940K	1	
R558	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R559	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R560	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R561	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R562	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R563	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R564	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R567	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R568	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R569	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R570	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R571	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R572	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R573	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R574	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R575	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R576	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R577	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R578	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R579	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R580	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R581	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R582	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R583	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R584	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R585	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R586	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R587	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R588	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R589,90	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R591	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R592	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R593	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R594	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R595	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R596	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R597	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R598	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R599	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R601	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R602	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R603	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R605	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R606	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R607	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R608	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R610	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R611	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R612	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R613	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R614	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R615	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R616	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R617	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R618	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R620	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R621	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R622	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R623	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R630	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R631	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R632	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R638,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R640	ERJ3RED220	M.RESISTOR CH 1/16W 22	1	
R641	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R642	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R701	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R702	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R703	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R705	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R707	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R709	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R710	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R711	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R712,13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R714	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R715	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R716	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R717	ERJ3RED200	M.RESISTOR CH 1/16W 20	1	
R718	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R719	ERJ3RED300	M.RESISTOR CH 1/16W 30	1	
R720	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R721	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R722-25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R726,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R730,31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R732	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R733	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R734	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R735	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R736	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R737-39	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	3	
R740	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R741	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R742	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R743	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R744,45	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R746,47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R748	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R749	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
R750	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R751	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R752	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R753	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R754	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R755	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R756	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R757	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R760	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R763	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R764	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
RA101,02	EXB24V101J	COMBI.R-R 100	2	
RA103,04	EXB24V103J	COMBI.R-R 10K	2	
RA301,02	EXB24V101J	COMBI.R-R 100	2	
RA303,04	EXB24V103J	COMBI.R-R 10K	2	
RA501,02	EXB24V101J	COMBI.R-R 100	2	
RA503,04	EXB24V103J	COMBI.R-R 10K	2	
RA701,02	EXB24V101J	COMBI.R-R 100	2	
TG701-03	EYF6CU	TEST POINT	3	
TP101-03	EYF6CU	TEST POINT	3	
TP301-03	EYF6CU	TEST POINT	3	
TP501-03	EYF6CU	TEST POINT	3	
VR101	VRV0113B503	V.RESISTOR 50K	1	
VR102	VRV0113B104	V.RESISTOR 100K	1	
VR103	VRV0113B503	V.RESISTOR 50K	1	
VR104	VRV0113B103	V.RESISTOR 10K	1	
VR105	VRV0113B501	V.RESISTOR 500	1	
VR301	VRV0113B503	V.RESISTOR 50K	1	
VR302	VRV0113B104	V.RESISTOR 100K	1	
VR303	VRV0113B503	V.RESISTOR 50K	1	
VR305	VRV0113B501	V.RESISTOR 500	1	
VR501	VRV0113B503	V.RESISTOR 50K	1	
VR502	VRV0113B104	V.RESISTOR 100K	1	
VR503	VRV0113B503	V.RESISTOR 50K	1	
VR504	VRV0113B103	V.RESISTOR 10K	1	
VR505	VRV0113B501	V.RESISTOR 500	1	
E6	VEP00Z41G	MOTHER P.C.BOARD	1	(RTL)FOR AJ-D610WAP
C9601-14	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	14	
L9601-10	VLP0353	COIL	10	
L9611-14	VLP0147	COIL	4	
L9615-29	VLP0353	COIL	15	
L9630	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L9631	VLP0353	COIL	1	
L9632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L9633	VLP0353	COIL	1	
L9634-41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
P1	VJP3978A060A	CONNECTOR (MALE)	1	
P9601	VJP3808E100	CONNECTOR (MALE)	1	
P9602-07	VJS4064N160E	CONNECTOR (FEMALE)	6	
P9608	VJP3808E100	CONNECTOR (MALE)	1	
P9609	VJP3125B006	CONNECTOR (MALE) 6P	1	
P9610	VJP3125B010	CONNECTOR (MALE)	1	
P9611	VJP3125B003	CONNECTOR (MALE) 3P	1	
P9612	VJP3125B005	CONNECTOR (MALE) 5P	1	
P9613	VJP3125B014	CONNECTOR (MALE)	1	
P9614	VJP3125B010	CONNECTOR (MALE)	1	
P9616	VJP3125B005	CONNECTOR (MALE) 5P	1	
P9617	VJP3125B012	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P9618,19	VJP3125B004	CONNECTOR (MALE)	2	
P9620	VJP3125B009	CONNECTOR (MALE)	1	
P9621	VJP3518B002	CONNECTOR (MALE)	1	
P9622	VJP3125B002	CONNECTOR (MALE)	1	
P9623	VJP3172D002	CONNECTOR (MALE)	1	
R9602-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R9611-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R9628-31	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R9632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9638	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
E6	VEP00241H	MOTHER P.C.BOARD	1	(RTL)FOR AJ-D610WAE
C9611-14	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	4	
C9615,16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C9617,18	VCK0134K104	C.CAPACITOR 50V 0.1U	2	
L9601-10	VLF1499A431	FILTER	10	
L9611-14	VLP0147	COIL	4	
L9615-29	VLP0353	COIL	15	
L9630	VLF1147A241	FILTER	1	
L9631	VLP0353	COIL	1	
L9632	VLF1147A241	FILTER	1	
L9633	VLP0353	COIL	1	
L9634-37	VLF1147A241	FILTER	4	
L9638,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
L9640,41	VLP0353	COIL	2	
P1	VJP3978A060A	CONNECTOR (MALE)	1	
P9601	VJP3808E100	CONNECTOR (MALE)	1	
P9602-07	VJS4064N160E	CONNECTOR (FEMALE)	6	
P9608	VJP3808E160	CONNECTOR (MALE)	1	
P9609	VJP3125B006	CONNECTOR (MALE) 6P	1	
P9610	VJP3125B010	CONNECTOR (MALE)	1	
P9611	VJP3125B003	CONNECTOR (MALE) 3P	1	
P9612	VJP3125B005	CONNECTOR (MALE) 5P	1	
P9613	VJP3125B014	CONNECTOR (MALE)	1	
P9614	VJP3125B010	CONNECTOR (MALE)	1	
P9616	VJP3125B005	CONNECTOR (MALE) 5P	1	
P9617	VJP3125B012	CONNECTOR (MALE)	1	
P9618,19	VJP3125B004	CONNECTOR (MALE)	2	
P9620	VJP3125B009	CONNECTOR (MALE)	1	
P9621	VJP3518B002	CONNECTOR (MALE)	1	
P9622	VJP3125B002	CONNECTOR (MALE)	1	
P9623	VJP3172D002	CONNECTOR (MALE)	1	
R9602-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R9611-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R9628-31	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R9632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R9637,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
		MISCELLANEOUS		
	VEE0F32	GND CABLE	1	
E7	VEP26240A	CAMERA SYSCON P.C.BOARD	1	(RTL)FOR AJ-D610WAP
C6101	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C6102	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6103	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6104,05	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C6106,07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6108	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6109	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6110	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6111	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C6112	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6113,14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6115	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6116	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6117-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C6122	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6123-25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6126	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6201-05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C6206	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6208,09	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6210	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6211	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6212	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6213	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6214	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6215	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6216	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6217	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C6218	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6219,20	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6221,22	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6223	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6224	ECST1AY475	T.CAPACITOR CH 10V 4.7U	1	
C6225	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6226	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6227	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6228-31	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C6232	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6233	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6234	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C6235,36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6237	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6238	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6239-44	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
C6246-49	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C6250,51	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	2	
C6252-59	VCK0303M225	C.CAPACITOR CH 25V 0.1U	8	
C6260	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C6261	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6401	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6405-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6408	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6409	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6410	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6411-13	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	3	
C6414	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C6415-17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6418	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6419,20	ECHU1C104J	P.CAPACITOR 16V 0.1U	2	
C6421	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6422	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6423-25	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C6426	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6427-29	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	3	
C6501-06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
D6201-06	MA8051-H	DIODE	6	
D6207,08	MA142K	DIODE	2	
D6209,10	MA8051-H	DIODE	2	
IC6101	XC62AP5002P	IC	1	
IC6102	XC62DN5002P	IC	1	
IC6201	VSI3323	IC	1	
IC6202	M51951BML	IC	1	
IC6203	VSI3195A	IC	1	
IC6204	KM681CLTE7L	IC	1	
IC6205	STK12C68S45	IC	1	
IC6206	TVHC138FT	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6207	IDT71321A55	IC	1	
IC6211	M62370GP	IC	1	
IC6212	NJM2902V	IC	1	
IC6213	TVHC08FT	IC	1	
IC6214	TC7W32F	IC	1	
IC6215	NJM2904V	IC	1	
IC6216,17	TVHC574FT	IC	2	
IC6218	TVHC573FT	IC	1	
IC6219	TC7S04F	IC	1	
IC6401	TC7W32F	IC	1	
IC6402,03	MC14053BDT	IC	2	
IC6404,05	NJM064V	IC	2	
IC6406	MC14053BDT	IC	1	
IC6407	TC7S00FU	IC	1	
IC6501-03	MB88351PF	IC	3	
L6101	VLQ0319K101	COIL 100UH	1	
L6102	VLQ0319K4R7	COIL 4.7UH	1	
L6103	VLQ0319K220	COIL 22UH	1	
L6201,02	VLP0147	COIL	2	
P6101	VJP4064Q160	CONNECTOR (MALE)	1	
P6102	VJP3506A100	CONNECTOR (MALE)	1	
P6103	VJP3358C012	CONNECTOR (MALE)	1	
P6104	VJS3826A020	CONNECTOR (FEMALE)	1	
Q6401-03	2SA1532-B	TRANSISTOR	3	
Q6404	2SD1819A	TRANSISTOR	1	
Q6405	2SB1218A	TRANSISTOR	1	
Q6406,07	2SD1819A	TRANSISTOR	2	
QR6201,02	UN5213	TRANSISTOR-RESISTOR	2	
QR6203-09	UN5113	TRANSISTOR-RESISTOR	7	
QR6401	UN5211	TRANSISTOR-RESISTOR	1	
R6109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6112,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6121,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6124,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6126	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6201	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R6202	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6204	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R6205	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6206	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R6207	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6210-12	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R6216	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6220	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6231-34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6235-37	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R6241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6242	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6244	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6247,48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6249	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6256	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6257,58	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R6259	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6270	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6273,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6277,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6280	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6293	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6294	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R6295	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R6296	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6312	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6314	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6316,17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6319	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6320,21	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6323,24	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6402	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R6403	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6405,06	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R6408	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6409	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6410	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6412-20	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	9	
R6421	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6423	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6425	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6428	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6429	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6429 02	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6430	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6431	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6432	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6433	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6434	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6435	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6436	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6437	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6438	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R6439	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R6440	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6441-44	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	4	
R6446	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6448	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6450,51	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R6452	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6454-56	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3	
R6457-59	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	3	
RA6101-04	EXB24V101J	COMBI.R-R 100	4	
RA6201-17	EXB24V101J	COMBI.R-R 100	17	
RA6221-27	EXB24V101J	COMBI.R-R 100	7	
RA6229	EXB24V101J	COMBI.R-R 100	1	
RA6232-37	EXB24V473J	COMBI.R-R 47K	6	
RA6242	EXB24V473J	COMBI.R-R 47K	1	
RA6243	EXB24V101J	COMBI.R-R 100	1	
RA6244-46	EXB24V473J	COMBI.R-R 47K	3	
RA6247-49	EXB24V101J	COMBI.R-R 100	3	
RA6401	EXB24V101J	COMBI.R-R 100	1	
SW6201	VSS0342	SWITCH	1	
TG6205-07	EYF6CU	TEST POINT	3	
TP6209-11	EYF6CU	TEST POINT	3	
X6201	VSX0821	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4618	NUMBER PLATE	1	
E7	VEP26240B	CAMERA SYSCON P.C.BOARD	1	(RTL)FOR AJ-D610WAE
C6101	ECEV1EV330Q	E.CAPACITOR CH 25V 33U	1	
C6102	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6103	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6104,05	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C6106,07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6108	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6109	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6110	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6111	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C6112	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6113,14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6115	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6116	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6117-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C6122	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6123-25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6126	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6201-05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C6206	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6208,09	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6210	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6211	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6212	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6213	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6214	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6215	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6216	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6217	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C6218	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6219,20	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6221,22	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6223	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6224	ECST1AY475	T.CAPACITOR CH 10V 4.7U	1	
C6225	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6226	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6227	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6228-31	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C6232	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6233	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6234	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C6235,36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6237	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6238	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
C6239-44	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
C6246-49	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C6250,51	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	2	
C6252-59	VCK0303M225	C.CAPACITOR CH 25V 0.1U	8	
C6260	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C6261	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6401	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6405-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6408	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6409	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6410	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6411-13	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	3	
C6414	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C6415-17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6418	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6419,20	ECHU1C104J	P.CAPACITOR 16V 0.1U	2	
C6421	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C6422	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6423-25	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C6426	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6427-29	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	3	
C6501-06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
D6201-06	MA8051-H	DIODE	6	
D6207,08	MA142K	DIODE	2	
D6209,10	MA8051-H	DIODE	2	
IC6101	XC62AP5002P	IC	1	
IC6102	XC62DN5002P	IC	1	
IC6201	VSI3323	IC	1	
IC6202	M51951BML	IC	1	
IC6203	VSI3266	IC	1	
IC6204	KM681CLTE7L	IC	1	
IC6205	STK12C68S45	IC	1	
IC6206	TVHC138FT	IC	1	
IC6207	IDT71321A55	IC	1	
IC6211	M62370GP	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6212	NJM2902V	IC	1	
IC6213	TVHC08FT	IC	1	
IC6214	TC7W32F	IC	1	
IC6215	NJM2904V	IC	1	
IC6216,17	TVHC574FT	IC	2	
IC6218	TVHC573FT	IC	1	
IC6219	TC7S04F	IC	1	
IC6401	TC7W32F	IC	1	
IC6402,03	MC14053BDT	IC	2	
IC6404,05	NJM064V	IC	2	
IC6406	MC14053BDT	IC	1	
IC6407	TC7S00FU	IC	1	
IC6501-03	MB88351PF	IC	3	
L6101	VLQ0319K101	COIL 100UH	1	
L6102	VLQ0319K4R7	COIL 4.7UH	1	
L6103	VLQ0319K220	COIL 22UH	1	
L6201,02	VLP0147	COIL	2	
P6101	VJP4064Q160	CONNECTOR (MALE)	1	
P6102	VJP3506A100	CONNECTOR (MALE)	1	
P6103	VJP3358C012	CONNECTOR (MALE)	1	
P6104	VJS3826A020	CONNECTOR (FEMALE)	1	
Q6401-03	2SA1532-B	TRANSISTOR	3	
Q6404	2SD1819A	TRANSISTOR	1	
Q6405	2SB1218A	TRANSISTOR	1	
Q6406,07	2SD1819A	TRANSISTOR	2	
QR6201,02	UN5213	TRANSISTOR-RESISTOR	2	
QR6203-09	UN5113	TRANSISTOR-RESISTOR	7	
QR6401	UN5211	TRANSISTOR-RESISTOR	1	
R6109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6112,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6121,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6124	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6126	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6201	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R6202	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6204	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R6205	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6206	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R6207	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6210-12	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R6215	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6216	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6220	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6231-34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6235-37	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R6241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6242	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6244	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6247,48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6249	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6256	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6257,58	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R6259	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6270	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6273,74	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6277,78	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6279,80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6293	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R6294	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R6295	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R6296	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6312	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6314	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6316,17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6319	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		C11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6320,21	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2		C14	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R6323,24	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2		C15	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
R6402	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1		C17	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R6403	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		C18-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
R6405,06	ERJ3GEYJ223	M.RESISTOR CH 1/16W 2.2K	2		C22	ECEV0GV101Q	E.CAPACITOR CH 4V 100U	1	
R6408	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		C23	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6409	ERJ3GEYJ223	M.RESISTOR CH 1/16W 2.2K	1		C24	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R6410	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C25-27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R6411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C28	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R6412-20	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	9		C29-33	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
R6421	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1		C34	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R6423	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1		C35-37	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R6425	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1		C38	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R6427	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C39-43	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
R6428,29	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2		C44	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R6430	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1		C45-47	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R6431	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		C48	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R6432	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1		C49-52	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
R6433	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		C54-56	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R6434	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C101	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6435	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		C107	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
R6436	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1		C108	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6437	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		C109	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R6438	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C110-33	VCK0303M225	C.CAPACITOR CH 25V 0.1U	24	
R6439	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1		C201,02	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
R6440	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1		C203	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
R6441-44	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	4		C204-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
R6446	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		C208	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
R6448	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1		C209	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6450,51	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2		C210	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
R6452	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1		C211-17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	7	
R6454-56	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	3		C218	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R6457-59	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	3		C219	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
					C220	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
RA6101-04	EXB24V101J	COMBI.R-R 100	4		C221	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
RA6201-17	EXB24V101J	COMBI.R-R 100	17		C301-03	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
RA6221-27	EXB24V101J	COMBI.R-R 100	7		C304,05	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
RA6229	EXB24V101J	COMBI.R-R 100	1		C306-08	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
RA6232-37	EXB24V473J	COMBI.R-R 47K	6		C309,10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
RA6242	EXB24V473J	COMBI.R-R 47K	1		C311,12	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
RA6243	EXB24V101J	COMBI.R-R 100	1		C315,16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
RA6244-46	EXB24V473J	COMBI.R-R 47K	3		C317	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
RA6247-49	EXB24V101J	COMBI.R-R 100	3		C318	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
RA6401	EXB24V101J	COMBI.R-R 100	1		C319	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
					C320	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
SW6201	VSS0342	SWITCH	1		C321	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
					C322	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
					C323	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
TG6205-07	EYF6CU	TEST POINT	3		C324,25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
TP6209-11	EYF6CU	TEST POINT	3		C327,28	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
					C332,33	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
X6201	VSX0821	CRYSTAL OSCILLATOR	1		C334	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
		MISCELLANEOUS			D10	MA142WA	DIODE	1	
					D301	MA157	DIODE	1	FOR VEP23495A
	XSB2+6FX	SCREW	3						
	XNG2E	NUT	1		IC1	NJM431U	IC	1	
	VGQ4618	NUMBER PLATE	1		IC2,C3	TC7SH86FU	IC	2	
					IC4	XC62AP3002P	IC	1	
					IC5	AD9200ARS	IC	1	
					IC6	XC62AP3002P	IC	1	
					IC7	AD9200ARS	IC	1	
					IC8	XC62AP3002P	IC	1	
E8	VEP23487C	DSP MAIN P.C.BOARD	1	(RTL)FOR AJ-D610WAP	IC9	AD9200ARS	IC	1	
	VEP23495A	DSP SUB P.C.BOARD	1	(RTL)FOR VEP23487C	IC10	NJM064V	IC	1	
					IC101	VY21621	IC	1	
					IC106	TVHT04FT	IC	1	
C1	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC107	TVHC32FT	IC	1	
C2	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1		IC108	TC7S08FU	IC	1	
C3	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC109	TC7S00FU	IC	1	
C4	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1		IC201	TC7SH86FU	IC	1	
C5	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC202	TC7S08F	IC	1	
C6	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC203	ADV7122KST50	IC	1	
C7,C8	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2		IC204	XC62AP5002P	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC205	ADV7122KST50	IC	1		R205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
IC206	XC62AP5002P	IC	1		R206	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
IC207,08	AD589JR	IC	2		R207,08	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
IC301	K6256DLG7L	IC	1		R209	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
IC303	TVHC245FT	IC	1		R210,11	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
IC305	AD7805BRS	IC	1		R212	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
IC307	TVHC157FT	IC	1		R213,14	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
IC308	TC7S02F	IC	1		R215	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
IC315	XC62AP5002P	IC	1		R216,17	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
IC316	XC62DN5002P	IC	1		R218	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
IC317	TC7W00FU	IC	1		R219	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
					R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
L2,L3	VLQ0319K101	COIL 100UH	2		R221	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
L201,02	VLQ0319K101	COIL 100UH	2		R301-04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
					R307,08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
P1	VJS3505A100	CONNECTOR (FEMALE)	1		R311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
P3	VJP3125B006	CONNECTOR (MALE) 6P	1		R315-17	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	
					R322	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q10-12	2SB1218A-R	TRANSISTOR	3		R324-26	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	
Q14-17	2SD1819A-R	TRANSISTOR	4		R332-34	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	3	
Q19	2SB1218A-R	TRANSISTOR	1		R342,43	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
Q21	2SD1819A-R	TRANSISTOR	1		R344	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
Q23	2SD1819A-R	TRANSISTOR	1		R345	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q201	2SB1218A-R	TRANSISTOR	1		R346	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	FOR VEP23495A
Q202	2SD1819A-R	TRANSISTOR	1						
Q203	2SB1218A-R	TRANSISTOR	1		RA10-34	EXB24V101J	COMBI.R-R 100	25	
Q204,05	2SD1819A-R	TRANSISTOR	2		RA201-25	EXB24V101J	COMBI.R-R 100	25	
Q301,02	XN4501	TRANSISTOR-RESISTOR	2						
Q306	XN4501	TRANSISTOR-RESISTOR	1		TG17	EYF6CU	TEST POINT	1	
Q308	XN4501	TRANSISTOR-RESISTOR	1		TG23	EYF6CU	TEST POINT	1	
R1,R2	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2		TP3,P4	EYF6CU	TEST POINT	2	
R4,R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		TP6-16	EYF6CU	TEST POINT	11	
R9-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4		TP18-22	EYF6CU	TEST POINT	5	
R16-18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3		TP24,25	EYF6CU	TEST POINT	2	
R19	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1						
R22,23	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2						
R25-27	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3						
R28	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1						
R30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1						
R31	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1		E8	VEP23487D	DSP MAIN P.C.BOARD	1	(RTL)FOR AJ-D610WAE
R33	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1			VEP23495A	DSP SUB P.C.BOARD	1	(RTL)FOR VEP23487D
R35	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1						
R36	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1						
R37	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1		C1	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R38	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1		C2	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R40,41	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2		C3	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R42	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1		C4	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
R43	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1		C5	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
R44	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		C6	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
R47-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3		C7,C8	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
R51-54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4		C11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R55,56	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2		C14	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C15	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	
R60-63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4		C17	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R66	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C18-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
R69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C22	ECEV0GV101Q	E.CAPACITOR CH 4V 100U	1	
R70	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C23	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R71,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		C24	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C25-27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R78	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		C28	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R79,80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		C29-33	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C34	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R102-05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4		C35-37	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C38	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R111,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		C39-43	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
R115	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		C44	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
R116	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1		C45-47	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R117-19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3		C48	ECST0JX226Z	T.CAPACITOR CH6.3V 22U	1	
R120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1		C49-52	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
R122	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1		C54-56	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R125-28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4		C101	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C107	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C108	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C109	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C110-33	VCK0303M225	C.CAPACITOR CH 25V 0.1U	24	
C201,02	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C203	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C204-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C208	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C209	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C210	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C211-17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	7	
C218	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C219	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C220	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C221	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C301-03	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C304,05	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C306-08	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C309,10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C311,12	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C315,16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C317	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C318	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C319	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C320	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C321	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C322	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C323	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C324,25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C327,28	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C332,33	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C334	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
D10	MA142WA	DIODE	1	
D301	MA157	DIODE	1	FOR VEP23495A
IC1	NJM431U	IC	1	
IC2,C3	TC7SH86FU	IC	2	
IC4	XC62AP3002P	IC	1	
IC5	AD9200ARS	IC	1	
IC6	XC62AP3002P	IC	1	
IC7	AD9200ARS	IC	1	
IC8	XC62AP3002P	IC	1	
IC9	AD9200ARS	IC	1	
IC10	NJM064V	IC	1	
IC101	VY21621	IC	1	
IC106	TVHT04FT	IC	1	
IC107	TVHC32FT	IC	1	
IC108	TC7S08FU	IC	1	
IC109	TC7S00FU	IC	1	
IC201	TC7SH86FU	IC	1	
IC202	TC7S08F	IC	1	
IC203	ADV7122KST50	IC	1	
IC204	XC62AP5002P	IC	1	
IC205	ADV7122KST50	IC	1	
IC206	XC62AP5002P	IC	1	
IC207,08	AD589JR	IC	2	
IC301	K6256DLG7L	IC	1	
IC303	TVHC245FT	IC	1	
IC305	AD7805BRS	IC	1	
IC307	TVHC157FT	IC	1	
IC308	TC7S02F	IC	1	
IC315	XC62AP5002P	IC	1	
IC316	XC62DN5002P	IC	1	
IC317	TC7W00FU	IC	1	
L2,L3	VLP0328A102	FERRITE CORE	2	
L201,02	VLP0328A102	FERRITE CORE	2	
P1	VJS3505A100	CONNECTOR (FEMALE)	1	
P3	VJP3125B006	CONNECTOR (MALE) 6P	1	
Q10-12	2SB1218A-R	TRANSISTOR	3	
Q14-17	2SD1819A-R	TRANSISTOR	4	
Q19	2SB1218A-R	TRANSISTOR	1	
Q21	2SD1819A-R	TRANSISTOR	1	
Q23	2SD1819A-R	TRANSISTOR	1	
Q201	2SB1218A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q202	2SD1819A-R	TRANSISTOR	1	
Q203	2SB1218A-R	TRANSISTOR	1	
Q204,05	2SD1819A-R	TRANSISTOR	2	
Q301,02	XN4501	TRANSISTOR-RESISTOR	2	
Q306	XN4501	TRANSISTOR-RESISTOR	1	
Q308	XN4501	TRANSISTOR-RESISTOR	1	
R1,R2	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R4,R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R9-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R16-18	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R19	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R22,23	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R25-27	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	3	
R28	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R30	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R31	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R33	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R35	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
R36	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R37	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R38	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R40,41	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R42	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R43	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R44	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R47-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	3	
R51-54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R55,56	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
R57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60-63	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R66	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R70	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R71,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R78	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R79,80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R102-05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R109	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R111,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R115	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R116	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R117-19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R122	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R125-28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R206	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R207,08	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R209	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R210,11	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R212	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R213,14	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R215	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R216,17	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R218	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R219	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R301-04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R307,08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R311,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R315-17	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	
R322	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R324-26	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	3	
R332-34	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	3	
R342,43	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R344	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R345	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R346	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	FOR VEP23495A



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
RA10-34	EXB24V101J	COMBI.R-R 100	25	
RA201-25	EXB24V101J	COMBI.R-R 100	25	
TG17	EYF6CU	TEST POINT	1	
TG23	EYF6CU	TEST POINT	1	
TP3,P4	EYF6CU	TEST POINT	2	
TP6-16	EYF6CU	TEST POINT	11	
TP18-22	EYF6CU	TEST POINT	5	
TP24,25	EYF6CU	TEST POINT	2	
E9	VEP23484C	CAMERA ENCODER P.C.BOARD	1	(RTL)FOR AJ-D610WAP
	VEP23493A	ENC SUB P.C.BOARD	1	(RTL)FOR VEP23484C
C1	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C2	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C4	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C9	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C12	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C14	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C15	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C17	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C18-20	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C21	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C22-24	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C25	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C26-31	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
C32	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C33	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C34	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C35	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C36	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C37	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C38	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C39	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C41-43	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C44	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C45,46	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C47	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C48	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C50-52	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C53	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C54,55	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C101	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C103	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C104	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C105-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C108	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C109	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C112	ECEV0GV221Q	E.CAPACITOR CH 4V 220U	1	
C114	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C116,17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C118	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C119	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C120	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C121,22	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C124	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C125	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C126	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C127	ECEV0GV221Q	E.CAPACITOR CH 4V 220U	1	
C128	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C129	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C130	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C131,32	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C134	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C135	ECST1AX226Z	T.CAPACITOR CH 10V 22U	1	
C137,38	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C139	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C140,41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C142	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C150-53	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	FOR VEP23493A
C200	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C203	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C204	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C205	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C209	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C210	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C211	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C212	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C213	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C214	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C216,17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C218	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C219	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C220	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C221	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C222	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C223	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C224	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C225	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1	
C226	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C227	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C228,29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C230	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C231	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C232	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C233,34	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C235	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C236	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C237	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C238	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C239	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C240,41	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C242	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C243	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C244	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C245	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C246	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C247	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C249	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C250	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C252	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C253	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1	
C254	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C255	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1	
C256	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C257,58	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C259,60	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C261,62	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C263	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C265	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C267,68	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C269	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C271	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C272,73	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	2	
C274	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C275,76	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C277	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C278,79	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C280,81	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C282,83	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C284,85	ECST1AX226Z	T.CAPACITOR CH 10V 22U	2	
CN1,N2	VJP4041A002	CONNECTOR (MALE)	2	FOR VEP23493A
D200,01	MA142K	DIODE	2	
D202,03	MA8047	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL1-L3	VLF1305	FILTER	3	
FL101	VLF1305	FILTER	1	
FL200	VLF1305	FILTER	1	
IC1	TC7W32FU	IC	1	
IC4	TC7W00FU	IC	1	
IC5	AD8011AR	IC	1	
IC6-C8	TC4W53FU	IC	3	
IC9	TC7S04F	IC	1	
IC10	AD8011AR	IC	1	
IC11,12	TC4W53FU	IC	2	
IC13	AD8011AR	IC	1	
IC14,15	TC4W53FU	IC	2	
IC16	NJM062V	IC	1	
IC101,02	NJM2535M	IC	2	
IC103	AD8011AR	IC	1	
IC104	XC62AP5002P	IC	1	
IC105	NJM2535M	IC	1	
IC106	AD8011AR	IC	1	
IC110,11	TC4W53FU	IC	2	FOR VEP23493A
IC201	TC7W32FU	IC	1	
IC202	NJM431U	IC	1	
IC203	TC4W53FU	IC	1	
IC204,05	NJM1496V	IC	2	
IC206,07	NJM062V	IC	2	
IC208	NJM2904V	IC	1	
IC209	TC7S04F	IC	1	
IC210	TC7W08FU	IC	1	
IC212	NJM2535M	IC	1	
L1	VLQ0426J101	COIL 100UH	1	
L2,L3	VLQ0319K101	COIL 100UH	2	
L101	VLQ0426J101	COIL 100UH	1	
L102	VLQ0319K101	COIL 100UH	1	
L200	VLQ0426J101	COIL 100UH	1	
L202,03	VLQ0426J120	COIL 12UH	2	
L204	VLQ0163J180	COIL 18UH	1	
L205	VLQ0163J560	COIL 56UH	1	
L206,07	VLQ0163J470	COIL 47UH	2	
L208	VLQ0133J221	COIL 220UH	1	
L210	VLQ0133J221	COIL 220UH	1	
P1	VJP4064Q160	CONNECTOR (MALE)	1	
Q1	2SD1819A	TRANSISTOR	1	
Q2	2SK662-R	TRANSISTOR	1	
Q3	2SD1819A	TRANSISTOR	1	
Q4	XN4501	TRANSISTOR-RESISTOR	1	
Q5	XN4401	TRANSISTOR-RESISTOR	1	
Q6,Q7	2SD1819A	TRANSISTOR	2	
Q8	XN4501	TRANSISTOR-RESISTOR	1	
Q9	XN4401	TRANSISTOR-RESISTOR	1	
Q10,11	2SD1819A	TRANSISTOR	2	
Q12	XN4501	TRANSISTOR-RESISTOR	1	
Q13	XN4401	TRANSISTOR-RESISTOR	1	
Q101	2SB1218A	TRANSISTOR	1	
Q102-06	2SD1819A	TRANSISTOR	5	
Q200	2SB1218A	TRANSISTOR	1	
Q201	XP6534	TRANSISTOR-RESISTOR	1	
Q202	2SD1819A	TRANSISTOR	1	
Q203,04	XP6534	TRANSISTOR-RESISTOR	2	
Q205	2SK662-R	TRANSISTOR	1	
Q206	XN4501	TRANSISTOR-RESISTOR	1	
Q207	XN4401	TRANSISTOR-RESISTOR	1	
Q208-12	2SB1218A	TRANSISTOR	5	
Q213	2SD1819A	TRANSISTOR	1	
Q214	XN4501	TRANSISTOR-RESISTOR	1	
Q215	XN4401	TRANSISTOR-RESISTOR	1	
Q216	2SD1819A	TRANSISTOR	1	
Q217	2SB1218A	TRANSISTOR	1	
Q218	XP6534	TRANSISTOR-RESISTOR	1	
Q219	2SK662-R	TRANSISTOR	1	
Q220	2SD1819A	TRANSISTOR	1	
Q221	2SB1218A	TRANSISTOR	1	
Q222	XP6534	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q223	2SK662-R	TRANSISTOR	1	
Q224	2SB956-R	TRANSISTOR	1	
Q225	2SD1280-R	TRANSISTOR	1	
QR200	UN5213	TRANSISTOR-RESISTOR	1	
R1-R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R4	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R6	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R7	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R8	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R11	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R12	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R14	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R15	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R16	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R17	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R18	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R19	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R20	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R21	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R23	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R24	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R25	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R29	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R31	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R32	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R33	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R35	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R40	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R42	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R44	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R45	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R49	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R50	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R51	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R55	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R57	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R58	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R59	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R61,62	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R63	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R64	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R65	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R66	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R67	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R68	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R69,70	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R71	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R72	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R74,75	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R76	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R77	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R78	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R79	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R80	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R82	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R84	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R87	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R89	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R90	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R91	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R93,94	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R95	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R96	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R97	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R98	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R99	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R100	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R101	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R102,03	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R104	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R105,06	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R107	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R108	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R109	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R110	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R111	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R112	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R115	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R116	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R117	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R120	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R121	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R123	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R124	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R125	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R126	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R127	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R128	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R129	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R131	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R132	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R134	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R136	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R137	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R139	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R140	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R142	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R143	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R144	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R146	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R147	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R148,49	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R150	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R151	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R152	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R153	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R155	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R156	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R160	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R162	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R170	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23493A
R171,72	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	FOR VEP23493A
R173	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23493A
R174	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	FOR VEP23493A
R200	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R201	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R202	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R203	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R205	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R206	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R207	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R210	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R211	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R213	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R215	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R216	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R217	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R218,19	ERJ3RBD621	M.RESISTOR CH 1/16W 620	2	
R220	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R221	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R222	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R223	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R224	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R225	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R226	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R227	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R228	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R229	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R230,31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R232	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R234	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R235	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R237	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R238,39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R240	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R242	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R243	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R244	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R245	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R246	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R247	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R248,49	ERJ3RBD241	M.RESISTOR CH 1/16W 240	2	
R250	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R252	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R253	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R254	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R255	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R256	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R260,61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R263	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R264	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R265	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R266	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R267,68	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R269	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R270	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R271	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R272	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R273	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R274	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R277	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R278	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R279	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R280	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R281	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R282	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R283	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R284	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R285	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R286	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R287	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R288	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R289	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R291	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R292	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R293	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R294	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R296	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R297	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R298	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R299,00	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R301	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R303	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R304	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R306	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R309	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R311	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R312	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R313	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R314	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R315	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R316	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R317	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R318	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R319	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R320	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R321	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R322	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R323	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R324	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R325	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R326	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R328	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R329	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R330,31	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R332	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R333	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R338	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R339	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R342,43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R344	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R345	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R348,49	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R350	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R351	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R352	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
SW1	VSS0367-02B	SWITCH	1	
SW200	VSR0098	SWITCH	1	
SW201	VSS0342	SWITCH	1	
TG3	EYF6CU	TEST POINT	1	
TG206	EYF6CU	TEST POINT	1	
TH200	VRT014116250	THERMISTOR	1	
TP2	EYF6CU	TEST POINT	1	
TP5	EYF6CU	TEST POINT	1	
TP7	EYF6CU	TEST POINT	1	
TP102,03	EYF6CU	TEST POINT	2	
TP201,02	EYF6CU	TEST POINT	2	
TP204,05	EYF6CU	TEST POINT	2	
VC200	VCV0047	TRIMMER	1	
VR1	EVM7JGA00B14	V.RESISTOR 10K	1	
VR2-R4	EVM7JGA00BE2	V.RESISTOR 220	3	
VR101	EVM7JGA00B14	V.RESISTOR 10K	1	
VR102-05	EVM7JGA00BE2	V.RESISTOR 220	4	
VR200	EVM7JGA00B14	V.RESISTOR 10K	1	
VR201	VRV0161B102	V.RESISTOR 1K	1	
VR202	VRV0161B501	V.RESISTOR 500	1	
VR203	EVM7JGA00B14	V.RESISTOR 10K	1	
VR205	EVM7JGA00B52	V.RESISTOR 500	1	
VR206	VRV0161B203	V.RESISTOR 20K	1	
VR209	VRV0161B203	V.RESISTOR 20K	1	
VR210	EVM7JGA00B52	V.RESISTOR 500	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4617	NUMBER PLATE	1	
E9	VEP23484B	CAMERA ENCODER P.C.BOARD	1	(RTL)FOR AJ-D610WAE
C1	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C2	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C4	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C9	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C12	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C14	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C15	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C17	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C18-20	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C21	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C22-24	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C25	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C26-31	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
C32	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C33	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C34	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C35	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C36	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C37	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C38	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C39	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C41-43	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C44	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C45,46	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C47	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C48	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C50-52	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C53	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C54,55	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C101	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C103	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C104	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C105-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C108	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C109	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C112	ECEV0GV221Q	E.CAPACITOR CH 4V 220U	1	
C114	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C116,17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C118	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C119	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C120	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C121,22	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C123	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C124	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C125	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C126	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C127	ECEV0GV221Q	E.CAPACITOR CH 4V 220U	1	
C128	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C129	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C130	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C131,32	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C134	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C135	ECST1AX226Z	T.CAPACITOR CH 10V 22U	1	
C137,38	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C139	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C140,41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C142	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C200	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C201	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C203	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C204	ECUX1H103ZFU	C.CAPACITOR CH 50V 0.01U	1		IC14,15	TC4W53FU	IC	2	
C205	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC16	NJM062V	IC	1	
C209	ECUX1H103ZFU	C.CAPACITOR CH 50V 0.01U	1		IC101,02	NJM2535M	IC	2	
C210	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC103	AD8011AR	IC	1	
C211	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC104	XC62AP5002P	IC	1	
C212	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC105	NJM2535M	IC	1	
C213	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC106	AD8011AR	IC	1	
C214	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC201	TC7W32FU	IC	1	
C216,17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		IC202	NJM431U	IC	1	
C218	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		IC203	TC4W53FU	IC	1	
C219	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1		IC204,05	NJM1496V	IC	2	
C220	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1		IC206,07	NJM062V	IC	2	
C221	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1		IC208	NJM2904V	IC	1	
C222	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1		IC209	TC7S04F	IC	1	
C223	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1		IC210	TC7W08FU	IC	1	
C224	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1		IC212	NJM2535M	IC	1	
C225	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1						
C226	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		L1	VLQ0426J101	COIL 100UH	1	
C227	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1		L2,L3	VLQ0319K101	COIL 100UH	2	
C228,29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		L101	VLQ0426J101	COIL 100UH	1	
C230	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1		L102	VLQ0319K101	COIL 100UH	1	
C231	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		L200	VLQ0426J101	COIL 100UH	1	
C232	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1		L202,03	VLQ0426J120	COIL 12UH	2	
C233,34	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		L204	VLQ0163J180	COIL 18UH	1	
C235	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1		L205	VLQ0163J560	COIL 56UH	1	
C236	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1		L206,07	VLQ0163J470	COIL 47UH	2	
C237	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1		L208	VLQ0133J221	COIL	1	
C238	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1		L210	VLQ0133J221	COIL	1	
C239	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1						
C240,41	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2		P1	VJP4064Q160	CONNECTOR (MALE)	1	
C242	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1						
C243	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q1	2SD1819A	TRANSISTOR	1	
C244	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		Q2	2SK662-R	TRANSISTOR	1	
C245	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q3	2SD1819A	TRANSISTOR	1	
C246	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		Q4	XN4501	TRANSISTOR-RESISTOR	1	
C247	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1		Q5	XN4401	TRANSISTOR-RESISTOR	1	
C249	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q6,Q7	2SD1819A	TRANSISTOR	2	
C250	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		Q8	XN4501	TRANSISTOR-RESISTOR	1	
C252	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q9	XN4401	TRANSISTOR-RESISTOR	1	
C253	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1		Q10,11	2SD1819A	TRANSISTOR	2	
C254	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q12	XN4501	TRANSISTOR-RESISTOR	1	
C255	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	1		Q13	XN4401	TRANSISTOR-RESISTOR	1	
C256	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1		Q101	2SB1218A	TRANSISTOR	1	
C257,58	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		Q102-06	2SD1819A	TRANSISTOR	5	
C259,60	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2		Q200	2SB1218A	TRANSISTOR	1	
C261,62	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		Q201	XP6534	TRANSISTOR-RESISTOR	1	
C263	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1		Q202	2SD1819A	TRANSISTOR	1	
C265	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1		Q203,04	XP6534	TRANSISTOR-RESISTOR	2	
C267,68	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		Q205	2SK662-R	TRANSISTOR	1	
C269	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		Q206	XN4501	TRANSISTOR-RESISTOR	1	
C271	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q207	XN4401	TRANSISTOR-RESISTOR	1	
C272,73	ECST0JX156Z	T.CAPACITOR CH6.3V 15U	2		Q208-12	2SB1218A	TRANSISTOR	5	
C274	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1		Q213	2SD1819A	TRANSISTOR	1	
C275,76	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		Q214	XN4501	TRANSISTOR-RESISTOR	1	
C277	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1		Q215	XN4401	TRANSISTOR-RESISTOR	1	
C278,79	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2		Q216	2SD1819A	TRANSISTOR	1	
C280,81	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		Q217	2SB1218A	TRANSISTOR	1	
C282,83	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2		Q218	XP6534	TRANSISTOR-RESISTOR	1	
C284,85	ECST1AX226Z	T.CAPACITOR CH 10V 22U	2		Q219	2SK662-R	TRANSISTOR	1	
					Q220	2SD1819A	TRANSISTOR	1	
D200,01	MA142K	DIODE	2		Q221	2SB1218A	TRANSISTOR	1	
D202,03	MA8047	DIODE	2		Q222	XP6534	TRANSISTOR-RESISTOR	1	
					Q223	2SK662-R	TRANSISTOR	1	
FL1-L3	VLF1305	FILTER	3		Q224	2SB956-R	TRANSISTOR	1	
FL101	VLF1305	FILTER	1		Q225	2SD1280-R	TRANSISTOR	1	
FL200	VLF1305	FILTER	1						
					QR200	UN5213	TRANSISTOR-RESISTOR	1	
IC1	TC7W32FU	IC	1						
IC4	TC7W00FU	IC	1		R1-R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
IC5	AD8011AR	IC	1		R4	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
IC6-C8	TC4W53FU	IC	3		R5,R6	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
IC9	TC7S04F	IC	1		R7	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
IC10	AD8011AR	IC	1		R8	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
IC11,12	TC4W53FU	IC	2		R9	ERJ3GEYOR00	M.RESISTOR CH 1/16W 0	1	
IC13	AD8011AR	IC	1		R11	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R12	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R14	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R15	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R16	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R17	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R18	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R19	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R20	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R21	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R23	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R24	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R25	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R29	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R31	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R32	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R33	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R35	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R38	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R40	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R42	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R44	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R45	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R49	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R50	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R51	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R55	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R57	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R58	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R59	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R61,62	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R63	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R64	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R65	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R66	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R67	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R68	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R69,70	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R71	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R72	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R74,75	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R76	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R77	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R78	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R79	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R80	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R82	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R84	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R87	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R89	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R90	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R91	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R93,94	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R95	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R96	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R97	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R98	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R99	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R100	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R101	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R102,03	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R104	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R105,06	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R107	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R108	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R109	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R110	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R111	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R112	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R113	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R115	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R116	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R117	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R120	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R121	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R123	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R124	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R125	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R126	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R127	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R128	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R129	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R131	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R132	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R134	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R136	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R137	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R139	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R140	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R142	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R143	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R144	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R146	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R147	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R148,49	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R150	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R151	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R152	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R153	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R155	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R156	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R160	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R162	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R200	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R201	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R202	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R205	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R206	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R207	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R210	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R211	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R213	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R214	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R215	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R216	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R217	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R218,19	ERJ3RBD621	M.RESISTOR CH 1/16W 620	2	
R220	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R221	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R222	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R223	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R224	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R225	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R226	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R227	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R228	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R229	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R230,31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R232	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R234	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R235	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R237	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R238,39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R240	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R242	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R243	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R244	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R245	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R246	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R247	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R248,49	ERJ3RBD241	M.RESISTOR CH 1/16W 240	2	
R250	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R252	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R253	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R254	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R255	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R256	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R257	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R260,61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R263	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R264	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R265	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R266	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R267,68	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R269	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R270	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R271	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R272	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R273	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R274	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R277	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R278	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R279	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R280	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R281	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R282	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R283	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R284	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R285	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R286	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R287	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R288	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R289	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R291	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R292	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R293	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R294	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R295	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R296	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R297	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R298	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R299,00	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R301	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R304	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R306	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R309	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R310	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R311	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R312	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R313	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R314	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R315	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R316	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R317	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R318	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R319	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R320	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R321	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R322	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R323	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R324	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R325	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R326	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R327	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R328	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R329	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R330,31	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R332	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R333	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R336,37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R338	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R339	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R342,43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R344	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R345	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R348,49	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R351	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R352	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
SW1	VSS0367-02B	SWITCH	1	
SW200	VSR0098	SWITCH	1	
SW201	VSS0342	SWITCH	1	
TG3	EYF6CU	TEST POINT	1	
TG206	EYF6CU	TEST POINT	1	
TH200	ERSA33J102	T.RESISTOR 3W 1K	1	
TP2	EYF6CU	TEST POINT	1	
TP5	EYF6CU	TEST POINT	1	
TP7	EYF6CU	TEST POINT	1	
TP102,03	EYF6CU	TEST POINT	2	
TP201,02	EYF6CU	TEST POINT	2	
TP204,05	EYF6CU	TEST POINT	2	
VC200	VCV0047	TRIMMER	1	
VR1	EVM7JGA00B14	V.RESISTOR 10K	1	
VR2-R4	EVM7JGA00BE2	V.RESISTOR 220	3	
VR101	EVM7JGA00B14	V.RESISTOR 10K	1	
VR102-05	EVM7JGA00BE2	V.RESISTOR 220	4	
VR200	EVM7JGA00B14	V.RESISTOR 10K	1	
VR201	VRV0161B102	V.RESISTOR 1K	1	
VR202	VRV0161B501	V.RESISTOR 500	1	
VR203	EVM7JGA00B14	V.RESISTOR 10K	1	
VR205	EVM7JGA00B52	V.RESISTOR 500	1	
VR206	VRV0161B203	V.RESISTOR 20K	1	
VR207	EVM7JGA00B13	V.RESISTOR 1K	1	
VR209	VRV0161B203	V.RESISTOR 20K	1	
VR210	EVM7JGA00B52	V.RESISTOR 500	1	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VQG4617	NUMBER PLATE	1	
E10	VEP23480A	CAMERA SYNC P.C.BOARD	1	(RTL)FOR AJ-D610WAP
	VEP23490A	SYNC SW P.C. BOARD	1	(RTL)FOR VEP23480A
C3001	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3002	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3003	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3004	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3005-08	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C3009	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3010	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1		C3511	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3011	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		C3512-14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C3012	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		C3516	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3013	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1						
C3014	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1		D3001,02	MA3020	DIODE	2	
C3015,16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		D3003	MA143	DIODE	1	
C3017	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1		D3004,05	MA3020	DIODE	2	
C3019-23	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5		D3006	MA143	DIODE	1	
C3024	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		D3101	MA143	DIODE	1	
C3025	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		D3501	MA142K	DIODE	1	
C3026	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1						
C3027-29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3		IC3001	XC62AP5002P	IC	1	
C3030	ECEV1HNR47Q	E.CAPACITOR CH 50V 0.47U	1		IC3002	EL4583CS	IC	1	
C3031	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1		IC3003	TC7W32FU	IC	1	
C3032	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3004,05	AD790JR	IC	2	
C3033	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3006	NJM062M	IC	1	
C3034,35	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		IC3007	MC74HC125AF	IC	1	
C3037	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3008	NJM062M	IC	1	
C3038	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC3009,10	TC7SH04FU	IC	2	
C3039-41	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3		IC3012	NJM062M	IC	1	
C3042	ECEV1HNR47Q	E.CAPACITOR CH 50V 0.47U	1		IC3013	TC7SH04FU	IC	1	
C3043	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1		IC3014	TC7SH86FU	IC	1	
C3044	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3018	TC7S32FU	IC	1	
C3045	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3101	MN74HC221S	IC	1	
C3046,47	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		IC3102	MC74HC04AF	IC	1	
C3049	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1		IC3103	NJM062M	IC	1	
C3050	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3104	AD790JR	IC	1	
C3051	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3105	MC74HC00AF	IC	1	
C3052	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3106	MC74HC04AF	IC	1	
C3053	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3107	MC14053BDT	IC	1	
C3054	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3108	NJM062M	IC	1	
C3055	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3109	XC62AP5002P	IC	1	
C3056	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3111	XC62AP5002P	IC	1	
C3057	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3201	UPD65802G160	IC	1	
C3058	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3202	TVHC04FT	IC	1	
C3061,62	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		IC3203	TVHC244FT	IC	1	
C3068	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3204	MC74HC86AF	IC	1	
C3101	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1		IC3205	MC74HC125AF	IC	1	
C3102,03	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2		IC3206	MC74HC04AF	IC	1	
C3104	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC3207,08	TC7SH04FU	IC	2	
C3105	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3209	TC7S14F	IC	1	
C3106	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1		IC3210	TVHC74FT	IC	1	
C3107	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3212	MC74HC4538AF	IC	1	
C3108	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3213	TC7S00FU	IC	1	
C3109-11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3		IC3404	MC14053BDT	IC	1	
C3112	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3501	TVHC04FT	IC	1	
C3113	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC3502	TVHC153FT	IC	1	
C3114	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		IC3503	TC4W66F	IC	1	
C3115,16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2						
C3117,18	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	2		L3001	VLQ0163J680	COIL 68UH	1	
C3119,20	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		L3002	VLQ0319K101	COIL 100UH	1	
C3121	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1		L3004-07	VLQ0319K101	COIL 100UH	4	
C3122	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1		L3009,10	VLQ0319K101	COIL 100UH	2	
C3123	ECUX1H820JCV	C.CAPACITOR CH 16V 82P	1		L3102	VLQ0163J221	COIL 220UH	1	
C3125-29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5		L3201	VLQ0319K101	COIL 100UH	1	
C3130	ECEV1EN3R3Q	E.CAPACITOR CH 25V 3.3U	1		L3501	VLQ0163J4R7	COIL 4.7UH	1	
C3131	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1						
C3132	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		P3501	VJP4064Q160	CONNECTOR (MALE)	1	
C3133	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1						
C3134	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q3001-05	2SD1819A	TRANSISTOR	5	
C3136-39	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4		Q3101,02	2SB1218A	TRANSISTOR	2	
C3201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3		Q3501	2SB1218A	TRANSISTOR	1	
C3204	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		Q3502	2SC3930-B	TRANSISTOR	1	
C3205	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q3503	2SA1532-B	TRANSISTOR	1	
C3206,07	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2		Q3504	2SC3938-R	TRANSISTOR	1	
C3208-24	VCK0303M225	C.CAPACITOR CH 25V 0.1U	17		Q3505,06	2SA1532-B	TRANSISTOR	2	
C3226-29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4		Q3507	2SB1218A	TRANSISTOR	1	
C3405,06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		Q3508	2SD1819A	TRANSISTOR	1	
C3501	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1						
C3502	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1		R3003	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
C3503	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1		R3004	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
C3504-06	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	3		R3005	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
C3507	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		R3006	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
C3508	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1		R3007	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
C3509,10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		R3008,09	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3011	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3012,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3014	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3015,16	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3018	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3019	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3020	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3021	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3022	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3023	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3026	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3027	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3030	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3031	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R3032	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3033	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R3034	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3035	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3036	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3037	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R3038	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3039	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R3040	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3041	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3044,45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3047	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3050	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3051	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3054	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3055	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R3056	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3057	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3058	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3059	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3061,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3065	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3072	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3074,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3101	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3104	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3107	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3109	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3110	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3114	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3115	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3116	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3117	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3118	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3119	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3120	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3121	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3122	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3124	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3125	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3126,27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3128	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3130	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3133	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3134	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3135	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3141,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3146	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3147,48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3204-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3208,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3211	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3212-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3222	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3224-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3231-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3236-46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	11	
R3249-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3263	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3266	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3269-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3281-83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3287	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3289,90	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3291,92	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R3293	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3295	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3297-99	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3329-31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3340	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3342	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3348	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3349	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3350	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3408,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3410	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3417	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3503,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3509	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3513	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3516	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3517-19	ERJ3RBD101	M.RESISTOR CH 1/16W 100	3	
R3520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3524	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R3525	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R3526	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3527	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3528	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3529	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3530	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3531	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3533	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3534	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3535	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3542	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3544	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
SW3001	VSS0342	SWITCH	1	FOR VEP23490A
TG3101	EYF6CU	TEST POINT	1	
TG3501	EYF6CU	TEST POINT	1	
TP3001-05	EYF6CU	TEST POINT	5	
TP3101	EYF6CU	TEST POINT	1	
TP3201-07	EYF6CU	TEST POINT	7	
TP3501	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR3001	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3002	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3101	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3102	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3103	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3104	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3501-03	VRV0161B202	V.RESISTOR 2K	3	
VR3504	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3505	VRV0161B202	V.RESISTOR 2K	1	
VR3506	VRV0161B102	V.RESISTOR 1K	1	
VR3507,08	VRV0161B202	V.RESISTOR 2K	2	
X3001	VSX0788	CRYSTAL OSCILLATOR	1	
X3003	VSX0670	CRYSTAL OSCILLATOR	1	
X3101	VSX0338	CRYSTAL OSCILLATOR	1	
X3102	VSX0688	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	VGQ4618	NUMBER PLATE	1	
	XNG2E	NUT	1	
E10	VEP23480B	CAMERA SYNC P.C.BOARD	1	(RTL)FOR AJ-D610WAE
	VEP23490A	SYNC SUB P.C.BOARD	1	(RTL)FOR VEP23480B
C3001	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3002	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3003	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3004	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3005-08	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C3009	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3010	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3011	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3012	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3013	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C3014	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3015,16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3017	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3019-23	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C3024	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3025	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3026	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3027-29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C3030	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3031	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3032	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3033	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3034,35	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3037	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3038	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3039-41	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C3042	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3043	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3044	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3045	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3046,47	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3049	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C3050	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3051	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3052	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3053	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3054	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3055	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3056	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3057	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3058	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3061,62	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3068	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3101	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3104	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3105	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3106	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3107	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3108	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3109-11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C3112	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3113	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3114	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3115,16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3117,18	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	2	
C3119,20	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3121	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3122	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3123	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3124	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C3125-29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C3130	ECEV1EN3R3Q	E.CAPACITOR CH 25V 3.3U	1	
C3131	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3132	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3133	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3134-39	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
C3201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C3204	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3205	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3206,07	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3208-23	VCK0303M225	C.CAPACITOR CH 25V 0.1U	16	
C3226-29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C3405,06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3501	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C3502	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1	
C3503	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C3504-06	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	3	
C3507	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C3508	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3509,10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3511	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3512-14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C3516	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3517	VCK0134K104	C.CAPACITOR 50V 0.1U	1	
D3001,02	MA3020	DIODE	2	
D3003	MA143	DIODE	1	
D3004,05	MA3020	DIODE	2	
D3006	MA143	DIODE	1	
D3101	MA143	DIODE	1	
D3501	MA142K	DIODE	1	
IC3001	XC62AP5002P	IC	1	
IC3002	EL4583CS	IC	1	
IC3003	TC7W32FU	IC	1	
IC3004,05	AD790JR	IC	2	
IC3006	NJM062M	IC	1	
IC3007	MC74HC125AF	IC	1	
IC3008	NJM062M	IC	1	
IC3009,10	TC7SH04FU	IC	2	
IC3012	NJM062M	IC	1	
IC3013	TC7SH04FU	IC	1	
IC3014	TC7SH86FU	IC	1	
IC3018	TC7S32FU	IC	1	
IC3101	MN74HC221S	IC	1	
IC3102	MC74HC04AF	IC	1	
IC3103	NJM062M	IC	1	
IC3104	AD790JR	IC	1	
IC3105	MC74HC00AF	IC	1	
IC3106	MC74HC04AF	IC	1	
IC3107	MC14053BDT	IC	1	
IC3108	NJM062M	IC	1	
IC3109	XC62AP5002P	IC	1	
IC3110	AD790JR	IC	1	
IC3111	XC62AP5002P	IC	1	
IC3201	UPD65802G160	IC	1	
IC3202	TVHC04FT	IC	1	
IC3203	TVHC244FT	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3204	MC74HC86AF	IC	1	
IC3205	MC74HC125AF	IC	1	
IC3206	MC74HC04AF	IC	1	
IC3207,08	TC7SH04FU	IC	2	
IC3209	TC7S14F	IC	1	
IC3212	MC74HC4538AF	IC	1	
IC3213	TC7S00FU	IC	1	
IC3404	MC14053BDT	IC	1	
IC3501	TVHC04FT	IC	1	
IC3502	TVHC153FT	IC	1	
IC3503	TC4W66F	IC	1	
L3001	VLQ0163J390	COIL 39UH	1	
L3002	VLQ0319K101	COIL 100UH	1	
L3004,05	VLP0352	FERRITE CORE	2	
L3006,07	VLQ0319K101	COIL 100UH	2	
L3009,10	VLQ0319K101	COIL 100UH	2	
L3102	VLQ0163J221	COIL 220UH	1	
L3201	VLQ0319K101	COIL 100UH	1	
L3501	VLQ0163J4R7	COIL 4.7UH	1	
P3501	VJP4064Q160	CONNECTOR (MALE)	1	
Q3001-05	2SD1819A	TRANSISTOR	5	
Q3101,02	2SB1218A	TRANSISTOR	2	
Q3501	2SB1218A	TRANSISTOR	1	
Q3502	2SC3930-B	TRANSISTOR	1	
Q3503	2SA1532-B	TRANSISTOR	1	
Q3504	2SC3938-R	TRANSISTOR	1	
Q3505,06	2SA1532-B	TRANSISTOR	2	
Q3507	2SB1218A	TRANSISTOR	1	
Q3508	2SD1819A	TRANSISTOR	1	
R3003	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3004	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3005	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3006	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3007	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3008,09	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R3010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3011	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3012,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3014	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3015,16	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3018	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3019	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3020	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3021	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3022	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3023	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3024	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3025	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3027	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3029	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3030	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3031	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3032	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R3033	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3034	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3035	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3036,37	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R3038,39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R3040	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3041	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3044,45	VLP0353	COIL	2	
R3047	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3050	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3051	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R3054,55	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R3056	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R3057	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3058	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3059	VLP0353	COIL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3061	VLP0353	COIL	1	
R3062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3065	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3072	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3074,75	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3101	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3104	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3107	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R3109	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3110	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3114	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3115	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3116	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3117	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3118	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3119	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3120	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3121	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3122	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R3124	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3125	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3128	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3130	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3133	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3134	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3135	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3137	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3138	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3139	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3140	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3142	VLP0353	COIL	1	
R3144	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3146	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3147,48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3202,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3208,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3211	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3213-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3220-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3224,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3227-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R3236-46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	11	
R3249-52	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3263	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3266	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3269-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3281-83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3287	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3289,90	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3291,92	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R3293	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3295	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3297-99	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3329-31	VLP0353	COIL	3	
R3333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3340	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3342	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3348	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3349	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3350	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3408,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3410	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3417	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3503,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3509	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3513	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3516	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3517-19	ERJ3RBD101	M.RESISTOR CH 1/16W 100	3	
R3520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522,23	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3524	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R3525	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R3526	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3527	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3528	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3529	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3530	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3531	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3533	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3534	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3535	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3542	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3544	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
SW3001	VSS0342	SWITCH	1	FOR VEP23490A
TG3101	EYF6CU	TEST POINT	1	
TG3501	EYF6CU	TEST POINT	1	
TP3001-05	EYF6CU	TEST POINT	5	
TP3101	EYF6CU	TEST POINT	1	
TP3201-07	EYF6CU	TEST POINT	7	
TP3501	EYF6CU	TEST POINT	1	
VR3001	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3002	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3101	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3102	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3103	EVM7JGA00B23	V.RESISTOR 2K	1	
VR3104	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3501-03	VRV0161B202	V.RESISTOR 2K	3	
VR3504	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3505	VRV0161B202	V.RESISTOR 2K	1	
VR3506	VRV0161B102	V.RESISTOR 1K	1	
VR3507,08	VRV0161B202	V.RESISTOR 2K	2	
X3001	VSX0788	CRYSTAL OSCILLATOR	1	
X3003	VSX0670	CRYSTAL OSCILLATOR	1	
X3101	VSX0270	CRYSTAL OSCILLATOR	1	
X3102	VSX0689	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	VGQ4618	NUMBER PLATE	1	
	XNG2E	NUT	1	
E11	VEP03E84E	VIDEO I/F P.C.BOARD	1	(RTL)FOR AJ-D610WAP
	VEP03E85E	VIDEO I/F SUB P.C.BOARD	1	(RTL)FOR VEP03E84E
C101	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C102	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C103-07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	FOR VEP03E85E

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C108	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	FOR VEP03E85E
C109	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	FOR VEP03E85E
C110	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP03E85E
C111	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E
C112	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85E
C113	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C113	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E
C114	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C114	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E
C115	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	
C115	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C116,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C118	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	
C119,20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C201	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C202	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C203	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C204	VCK0150	C.CAPACITOR	1	FOR VEP03E85E
C205	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85E
C206	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	FOR VEP03E85E
C207	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85E
C208	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85E
C209	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C210	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP03E85E
C211	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85E
C212	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	FOR VEP03E85E
C213,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	FOR VEP03E85E
C301	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85E
C303-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	FOR VEP03E85E
C309,10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85E
C311	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85E
C313,14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85E
C315	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85E
C401	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C401	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C402	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85E
C402	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C403,04	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C406,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C415,16	ECST1CC336Z	T.CAPACITOR CH 16V 33U	2	
C417,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C419	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C420	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C421	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C422	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C423	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C424	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C425	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C426	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C428	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C429	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C430	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C431	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C432	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C436	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C437	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C441	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C442	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C443	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C444	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C445	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C446	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C447	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C448	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C449	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C451-54	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C501	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C502	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C503	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C504	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C505	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C506	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C507	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C509	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C511	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C512	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C513	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C514	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C515	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C516,17	ECST1CC336Z	T.CAPACITOR CH 16V 33U	2	
C518	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C519	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C520	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C521	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C522	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C525	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1	
C526	ECUX1H102JV	C.CAPACITOR CH 16V 1000P	1	
C527	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C528	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C529	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C530	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C531	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C532	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C534	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C535	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1	
C536	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C537	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C538	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C539	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C540	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C541	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C542	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C544	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C545	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1	
C546	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C547,48	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
D101	MA142K	DIODE	1	
D101	MA704	DIODE	1	FOR VEP03E85E
D102	MA142K	DIODE	1	
D102	MA704	DIODE	1	FOR VEP03E85E
D501	MA142K	DIODE	1	
FL401	VLF1179	FILTER	1	
IC101	MC14053BDT	IC	1	
IC101	XC62AP5002P	IC	1	FOR VEP03E85E
IC102	NJM062M	IC	1	FOR VEP03E85E
IC103	TC7W125FU	IC	1	FOR VEP03E85E
IC106	TC7SH08FU	IC	1	FOR VEP03E85E
IC201	UPC2384GA	IC	1	FOR VEP03E85E
IC202	XC62AP3002P	IC	1	FOR VEP03E85E
IC204	TC7SH08FU	IC	1	FOR VEP03E85E
IC301	CG46183-134	IC	1	FOR VEP03E85E
IC302-05	TVHC541FT	IC	4	FOR VEP03E85E
IC306	TVHT541FT	IC	1	FOR VEP03E85E
IC309	TVHC74FT	IC	1	FOR VEP03E85E
IC311	UG10358B	IC	1	FOR VEP03E85E
IC314	TVHC74FT	IC	1	FOR VEP03E85E
IC315	TC7SH00FU	IC	1	FOR VEP03E85E
IC401	TC7SH08FU	IC	1	
IC402	MC14053BDT	IC	1	
IC403	AD817AR	IC	1	
IC404	MC14053BDT	IC	1	
IC405	AD826AR	IC	1	
IC406	XC62DN5002P	IC	1	
IC407	MC14053BDT	IC	1	
IC501	XC62AP5002P	IC	1	
IC502	EL4583CS	IC	1	
IC503	TC7W14FU	IC	1	
IC504-06	CXD1176Q	IC	3	
IC507	TC7SH04FU	IC	1	
IC508	TC7W74FU	IC	1	
L101-03	VLQ0319K101	COIL 100UH	3	
L104	VLQ0319K101	COIL 100UH	1	
L104	VLQ0319K101	COIL 100UH	1	FOR VEP03E85E
L201	VLQ0464K6R8	COIL 6.8UH	1	FOR VEP03E85E
L202	ELJNA1R5JF	COIL 1.5UH	1	FOR VEP03E85E

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L203	VLQ0319K101	COIL 100UH	1	FOR VEP03E85E
L401	VLP0145	COIL	1	FOR VEP03E85E
L401	VLQ0426J120	COIL 12UH	1	
L402	VLP0145	COIL	1	FOR VEP03E85E
L404,05	VLQ0319K101	COIL 100UH	2	
L406	VLQ0426J820	COIL 82UH	1	
L407	VLQ0426J680	COIL 68UH	1	
L410	VLQ0426J820	COIL 82UH	1	
L411	VLQ0426J680	COIL 68UH	1	
L413	VLQ0319K101	COIL 100UH	1	
L501	VLQ0163J221	COIL 220UH	1	
L502	VLQ0319K101	COIL 100UH	1	
L503	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
L504-06	VLQ0319K101	COIL 100UH	3	
L602-11	VLP0155	COIL	10	
P1	VJP4064Q160	CONNECTOR (MALE)	1	
P2	VJP3819E100	CONNECTOR (MALE)	1	
P3	VJP3358C012	CONNECTOR (MALE)	1	
P401	VJS3819E100	CONNECTOR (FEMALE)	1	FOR VEP03E85E
Q105	2SB1218A-R	TRANSISTOR	1	
Q106	2SD1819A-R	TRANSISTOR	1	
Q107	XN4601	TRANSISTOR-RESISTOR	1	
Q401	2SB1218A-R	TRANSISTOR	1	
Q402	2SD1819A-R	TRANSISTOR	1	
Q403	2SA1532-B	TRANSISTOR	1	
Q404	2SD1819A-R	TRANSISTOR	1	
Q408,09	2SB1218A-R	TRANSISTOR	2	
Q410	2SA1532-B	TRANSISTOR	1	
Q414,15	2SB1218A-R	TRANSISTOR	2	
Q416	2SA1532-B	TRANSISTOR	1	
Q501	2SD1819A-R	TRANSISTOR	1	
R101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R102	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP03E85E
R103	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85E
R104,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	FOR VEP03E85E
R106	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85E
R107	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E85E
R108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R108,09	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R110	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R112	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R112	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R113	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R114	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R115	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R116	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R117,18	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R119	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R120	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R124-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP03E85E
R207	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP03E85E
R208	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP03E85E
R209-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	FOR VEP03E85E
R212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP03E85E
R215-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85E
R219,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP03E85E
R221-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85E
R301-08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	FOR VEP03E85E
R309-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85E
R315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85E
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R319,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	FOR VEP03E85E
R321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R322	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85E
R323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R324-26	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	FOR VEP03E85E
R329-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85E
R335	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP03E85E
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP03E85E
R339-41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85E
R343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R345	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85E
R347	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85E
R351	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R353,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP03E85E
R355-64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	10	FOR VEP03E85E
R372-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85E
R401	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85E
R402	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R403	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R404	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R405	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R406	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R407	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R408	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R409	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R410,11	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R412	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R413	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R414	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R415	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R417	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R427	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R428	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R429	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R430	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R431	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R432,33	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R434,35	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R436	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R437	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R438,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R440	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R441	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R452	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R453	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R455	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R456	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R457,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R462	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R463,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R465	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R466	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R467-69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R501	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R502	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R503	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R504	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R505	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R506	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R507	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R510	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R513	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R514	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R516	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R517	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R518	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R519	VRE006622102	V.RESISTOR CH 1/10W 1K	1	
R520,21	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R522	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R523	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R524	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R525	VRE006607103	M.RESISTOR CH 1/10W 10K	1	
R526,27	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R528	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R530	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R531	VRE006607103	M.RESISTOR CH 1/10W 10K	1	
R532,33	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R601-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
TG101	EYF6CU	TEST POINT	1	
TP101,02	EYF6CU	TEST POINT	2	FOR VEP03E85E
TP301-03	EYF6CU	TEST POINT	3	FOR VEP03E85E
TP501-03	EYF6CU	TEST POINT	3	
VR401	EVM7JGA00B23	V.RESISTOR 2K	1	
VR403,04	EVM7JGA00B23	V.RESISTOR 2K	2	
VR406,07	EVM7JGA00B23	V.RESISTOR 2K	2	
VR501	EVM7JGA00B13	V.RESISTOR 1K	1	
X101	VSX0677	CRYSTAL OSCILLATOR	1	FOR VEP03E85E
		MISCELLANEOUS		
	VMS5528	POST	3	
	XYN26+C35	SCREW	6	
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4724	NUMBER PLATE	1	
E11	VEP03E84D	VIDEO I/F P.C.BOARD	1	(RTL)FOR AJ-D610WAE
	VEP03E85D	VIDEO I/F SUB P.C.BOARD	1	(RTL)FOR VEP03E84D
C101	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C102	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D
C103-07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	FOR VEP03E85D
C108	ECST1EC106Z	T.CAPACITOR CH 25V 10U	1	FOR VEP03E85D
C109	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	FOR VEP03E85D
C110	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP03E85D
C111	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85D
C112	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85D
C113	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C113	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85D
C114	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C114	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85D
C115	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	
C115	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D
C116,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C118	ECEV1AN330Q	E.CAPACITOR CH 10V 33U	1	
C119,20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C201	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C202	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D
C203	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C204	VCK0150	C.CAPACITOR	1	FOR VEP03E85D
C205	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85D
C206	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	FOR VEP03E85D
C207	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP03E85D
C208	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP03E85D
C209	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C210	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	FOR VEP03E85D
C211	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85D
C212	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	FOR VEP03E85D
C213,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	FOR VEP03E85D
C301	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	FOR VEP03E85D
C303-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	FOR VEP03E85D
C309,10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85D
C311	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP03E85D
C313,14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	FOR VEP03E85D
C315	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	FOR VEP03E85D
C401	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C401	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		D101	MA704	DIODE	1	FOR VEP03E85D
C402	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	FOR VEP03E85D	D102	MA142K	DIODE	1	
C402	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		D102	MA704	DIODE	1	FOR VEP03E85D
C403,04	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2		D103,04	MA3020	DIODE	2	FOR VEP03E85D
C406,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		D501	MA142K	DIODE	1	
C415,16	ECST1CC336Z	T.CAPACITOR CH 16V 33U	2						
C417,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2		FL401	VLF1179	FILTER	1	
C419	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1						
C420	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1		IC101	MC14053BDT	IC	1	
C421	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1		IC101	XC62AP5002P	IC	1	FOR VEP03E85D
C422	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		IC102	NJM062M	IC	1	FOR VEP03E85D
C423	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1		IC103	TC7W125FU	IC	1	FOR VEP03E85D
C424	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		IC106	TC7SH08FU	IC	1	FOR VEP03E85D
C425	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1		IC201	UPC2384GA	IC	1	FOR VEP03E85D
C426	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1		IC202	XC62AP3002P	IC	1	FOR VEP03E85D
C428	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC204	TC7SH08FU	IC	1	FOR VEP03E85D
C429	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		IC301	CG46183-134	IC	1	FOR VEP03E85D
C430	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC302-05	TVHC541FT	IC	4	FOR VEP03E85D
C431	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		IC306	TVHT541FT	IC	1	FOR VEP03E85D
C432	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC309	TVHC74FT	IC	1	FOR VEP03E85D
C436	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC311	UG10358B	IC	1	FOR VEP03E85D
C437	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		IC314	TVHC74FT	IC	1	FOR VEP03E85D
C441	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1		IC315	TC7SH00FU	IC	1	FOR VEP03E85D
C442	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1		IC401	TC7SH08FU	IC	1	
C443	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1		IC402	MC14053BDT	IC	1	
C444	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		IC403	AD817AR	IC	1	
C445	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1		IC404	MC14053BDT	IC	1	
C446	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		IC405	AD826AR	IC	1	
C447	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		IC406	XC62DN5002P	IC	1	
C448	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1		IC407	MC14053BDT	IC	1	
C449	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1		IC501	XC62AP5002P	IC	1	
C451-54	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4		IC502	EL4583CS	IC	1	
C501	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		IC503	TC7W14FU	IC	1	
C502	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		IC504-06	CXD1176Q	IC	3	
C503	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1		IC507	TC7SH04FU	IC	1	
C504	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1		IC508	TC7W74FU	IC	1	
C505	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1						
C506	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1		L101-03	VLQ0319K101	COIL 100UH	3	
C507	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1		L104	VLQ0319K101	COIL 100UH	1	
C509	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1		L104	VLQ0319K101	COIL 100UH	1	FOR VEP03E85D
C511	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		L201	VLQ0464K6R8	COIL 6.8UH	1	FOR VEP03E85D
C512	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1		L202	ELJNA1R5JF	COIL 1.5UH	1	FOR VEP03E85D
C513	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1		L203	VLQ0319K101	COIL 100UH	1	FOR VEP03E85D
C514	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		L401	VLP0145	COIL	1	FOR VEP03E85D
C515	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1		L401	VLQ0426J120	COIL 12UH	1	
C516,17	ECST1CC336Z	T.CAPACITOR CH 16V 33U	2		L402	VLP0145	COIL	1	FOR VEP03E85D
C518	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		L404,05	VLQ0319K101	COIL 100UH	2	
C519	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		L406	VLQ0426J820	COIL 82UH	1	
C520	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		L407	VLQ0426J680	COIL 68UH	1	
C521	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		L410	VLQ0426J820	COIL 82UH	1	
C522	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		L411	VLQ0426J680	COIL 68UH	1	
C524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		L413	VLQ0319K101	COIL 100UH	1	
C525	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1		L501	VLQ0163J221	COIL 220UH	1	
C526	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1		L502	VLQ0319K101	COIL 100UH	1	
C527	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1		L503	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
C528	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		L504-06	VLQ0319K101	COIL 100UH	3	
C529	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		L602-11	VLP0155	COIL	10	
C530	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1						
C531	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		P1	VJP4064Q160	CONNECTOR (MALE)	1	
C532	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		P2	VJP3819E100	CONNECTOR (MALE)	1	
C534	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		P3	VJP3358C012	CONNECTOR (MALE)	1	
C535	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1		P401	VJS3819E100	CONNECTOR (FEMALE)	1	FOR VEP03E85D
C536	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1						
C537	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1		Q105	2SB1218A-R	TRANSISTOR	1	
C538	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1		Q106	2SD1819A-R	TRANSISTOR	1	
C539	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1		Q107	XN4601	TRANSISTOR-RESISTOR	1	
C540	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		Q401	2SB1218A-R	TRANSISTOR	1	
C541	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q402	2SD1819A-R	TRANSISTOR	1	
C542	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		Q403	2SA1532-B	TRANSISTOR	1	
C544	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1		Q404	2SD1819A-R	TRANSISTOR	1	
C545	ECST1CY225Z	T.CAPACITOR CH 16V 2.2U	1		Q408,09	2SB1218A-R	TRANSISTOR	2	
C546	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1		Q410	2SA1532-B	TRANSISTOR	1	
C547,48	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2		Q414,15	2SB1218A-R	TRANSISTOR	2	
					Q416	2SA1532-B	TRANSISTOR	1	
D101	MA142K	DIODE	1		Q501	2SD1819A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R102	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP03E85D
R103	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85D
R104	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	FOR VEP03E85D
R105	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	FOR VEP03E85D
R106	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP03E85D
R107	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP03E85D
R108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R108,09	ERJ6RBD151	M.RESISTOR CH 1/10W 150	2	
R110	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R112	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R112	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R113	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R114	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R115	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R116	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R117	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R119	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R120	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R124-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R203,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP03E85D
R207	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP03E85D
R208	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP03E85D
R209-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	FOR VEP03E85D
R212	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP03E85D
R215-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85D
R219,20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP03E85D
R221-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85D
R301-08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	FOR VEP03E85D
R309-12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85D
R315	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85D
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R319,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	FOR VEP03E85D
R321	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R322	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85D
R323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R324-26	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	FOR VEP03E85D
R329-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	FOR VEP03E85D
R335	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP03E85D
R337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP03E85D
R339-41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85D
R343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R345	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85D
R347	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP03E85D
R351	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R353,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	FOR VEP03E85D
R355-64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	10	FOR VEP03E85D
R372-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP03E85D
R401	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP03E85D
R402	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R403	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R404	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R405	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R406	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R407	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R408	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R409	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R410,11	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R412	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R413	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R414	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R415	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R417	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R427	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R428	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R429	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R430	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R431	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R432,33	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R434,35	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R436	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R437	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R438,39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R440	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R441	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R452	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R453	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R455	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R456	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R457,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R459,60	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R461	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R462	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R463,64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R465	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R466	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R467-69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R501	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R502	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R503	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R504	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R505	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R506	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R507	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R509	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R510	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R513	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R514	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R516	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R517	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R518	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R519	VRE006622102	V.RESISTOR CH 1/10W 1K	1	
R520,21	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R522	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R523	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R524	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R525	VRE006607103	M.RESISTOR CH 1/10W 10K	1	
R526,27	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R528	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R530	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R531	VRE006607103	M.RESISTOR CH 1/10W 10K	1	
R532,33	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	2	
R601-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
TG101	EYF6CU	TEST POINT	1	
TP101,02	EYF6CU	TEST POINT	2	FOR VEP03E85D
TP301-03	EYF6CU	TEST POINT	3	FOR VEP03E85D
TP501-03	EYF6CU	TEST POINT	3	
VR401	EVM7JGA00B23	V.RESISTOR 2K	1	
VR403,04	EVM7JGA00B23	V.RESISTOR 2K	2	
VR406,07	EVM7JGA00B23	V.RESISTOR 2K	2	
VR501	EVM7JGA00B13	V.RESISTOR 1K	1	
X101	VSX0677	CRYSTAL OSCILLATOR	1	FOR VEP03E85D
		MISCELLANEOUS		
	VMS5528	POST	3	
	XYN26+C35	SCREW	6	
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4724	NUMBER PLATE	1	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E12	VEP06C45M	VTR SYSCON P.C.BOARD	1	(RTL)FOR AJ-D610WAP
C6001	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C6002	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6003	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C6004,05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6006,07	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C6008,09	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6010	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6014-19	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
C6021,22	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6023	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6024	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6101	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C6102	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6103	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C6104-06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6202-09	VCK0303M225	C.CAPACITOR CH 25V 0.1U	8	
C6210	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C6211	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6213-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	9	
C6222	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C6223-27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C6301	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C6302,03	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C6304	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6305	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6309-12	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C6801,02	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6803,04	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C6805-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6809	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C6810	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C6811	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6812	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C6813,14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6815	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C6816	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C6817	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C6818	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C6819	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6820	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C6821,22	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
D6001	MA151K	DIODE	1	
D6002-09	MA728	DIODE	8	
D6021	MA151K	DIODE	1	
D6201,02	MA142K	DIODE	2	
D6230	MA165	DIODE	1	
D6801	MA143	DIODE	1	
D6802	MA8024	DIODE	1	
IC6001	M37702S4AFP	IC	1	
IC6002	MN13821-S	IC	1	
IC6003	TVHC04FT	IC	1	
IC6004	TVHC32FT	IC	1	
IC6005	TVHC573FT	IC	1	
IC6006	VS13324A	IC	1	
IC6007	TC7SH08FU	IC	1	
IC6008	TVHC138FT	IC	1	
IC6009	UPD6456T611Y	IC	1	
IC6011,12	TVHT541FT	IC	2	
IC6013	TC7SH32FU	IC	1	
IC6101,02	TVHT541FT	IC	2	
IC6201	TE7751	IC	1	
IC6202	UPC393G2	IC	1	
IC6301	S8420BF	IC	1	
IC6302	UPD4992GS	IC	1	
IC6801	MN51040VPI	IC	1	
IC6802	UPC393G2	IC	1	
IC6803	NJM4558M	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
ICF6006	VJF1047	IC SOCKET	1	
ICS6006	VJS3427X032	CONNECTOR (FEMALE)	1	
L6001	VLQ0319K100	COIL 10UH	1	
L6002	VLQ0163J270	COIL 27UH	1	
L6101	VLQ0319K101	COIL 100UH	1	
L6102,03	VLQ0163J470	COIL 47UH	2	
L6201	VLQ0319K101	COIL 100UH	1	
L6801	VLQ0163J470	COIL 47UH	1	
L6802	VLQ0319K101	COIL 100UH	1	
P6001	VJP4064Q160	CONNECTOR (MALE)	1	
Q6801	2SD1819A-R	TRANSISTOR	1	
QR6001	UN5213	TRANSISTOR-RESISTOR	1	
QR6003	UN5211	TRANSISTOR-RESISTOR	1	
QR6004,05	UN5213	TRANSISTOR-RESISTOR	2	
QR6201-04	UN5114	TRANSISTOR-RESISTOR	4	
QR6206	UN5213	TRANSISTOR-RESISTOR	1	
QR6207	UN5114	TRANSISTOR-RESISTOR	1	
QR6208-10	UN5213	TRANSISTOR-RESISTOR	3	
R6001	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6002	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6003	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6004-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6007	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	1	
R6008	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R6009	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6011	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6012	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6013	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6014	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6015	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6016,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6019	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6021	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6022	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6023	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6025	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6026	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6029	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6030-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R6037-39	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R6040-44	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6045,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6047,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6049	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6050	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6053	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6054-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6101-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R6133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6137,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6141-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6144	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6145	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6201-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R6206-12	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	7	
R6213-15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R6216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6217	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6218,19	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6220-24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R6226-30	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6231	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6233-36	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	4	
R6237	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6238-41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R6245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6247-50	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6251-62	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	12		C6104-06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R6263,64	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2		C6202-09	VCK0303M225	C.CAPACITOR CH 25V 0.1U	8	
R6265	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C6210	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
R6268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C6211	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C6213-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	9	
R6301,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2		C6222	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
R6312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		C6223-27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
R6801	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1		C6301	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
R6802	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		C6302,03	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
R6803,04	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2		C6304	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6805	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1		C6305	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
R6806	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1		C6309-12	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
R6807	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		C6801,02	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
R6808	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1		C6803,04	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
R6809	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1		C6805-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
R6810	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	1		C6809	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
R6811	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		C6810	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
R6812,13	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2		C6811	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6814	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1		C6812	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
R6816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1		C6813,14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
R6817	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		C6815	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
R6818	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		C6816	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
R6819	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1		C6817	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
R6820	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		C6818	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
R6821	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		C6819	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
R6822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1		C6820	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
R6823	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1		C6821,22	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	2	
R6824	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1						
R6826	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		D6001	MA151K	DIODE	1	
R6827,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2		D6002-09	MA728	DIODE	8	
R6829	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		D6021	MA151K	DIODE	1	
R6839	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1		D6201,02	MA142K	DIODE	2	
R6840	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1		D6230	MA165	DIODE	1	
R6845	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1		D6801	MA143	DIODE	1	
					D6802	MA8024	DIODE	1	
TG6001	EYF6CU	TEST POINT	1						
					IC6001	M37702S4AFP	IC	1	
TP6001,02	EYF6CU	TEST POINT	2		IC6002	MN13821-S	IC	1	
TP6301	EYF6CU	TEST POINT	1		IC6003	TVHC04FT	IC	1	
					IC6004	TVHC32FT	IC	1	
VC6001	VCV0049	TRIMMER	1		IC6005	TVHC573FT	IC	1	
VC6301	ECRJA020E12	TRIMMER 20P	1		IC6006	VSI3275	IC	1	
					IC6007	TC7SH08FU	IC	1	
X6001	VSX0499	CRYSTAL OSCILLATOR	1		IC6008	TVHC138FT	IC	1	
X6301	VSX0602	CRYSTAL OSCILLATOR	1		IC6009	UPD6456T611Y	IC	1	
X6801	VSX0498	CRYSTAL OSCILLATOR	1		IC6011,12	TVHT541FT	IC	2	
X6802	VSX0614	CRYSTAL OSCILLATOR	1		IC6013	TC7SH32FU	IC	1	
					IC6101,02	TVHT541FT	IC	2	
		MISCELLANEOUS			IC6201	TE7751	IC	1	
					IC6202	UPC393G2	IC	1	
	XSB2+6FX	SCREW	3		IC6301	S8420BF	IC	1	
	XNG2E	NUT	1		IC6302	UPD4992GS	IC	1	
	VGQ4619	NUMBER PLATE	1		IC6801	MN51040VPI	IC	1	
					IC6802	UPC393G2	IC	1	
					IC6803	NJM4558M	IC	1	
					ICF6006	VJF1047	IC SOCKET	1	
E12	VEP06C45K	VTR SYSCON P.C.BOARD	1	(RTL)FOR AJ-D610WAE	ICS6006	VJS3427X032	CONNECTOR (FEMALE)	1	
C6001	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1		L6001	VLQ0319K100	COIL 10UH	1	
C6002	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		L6002	VLQ0163J270	COIL 27UH	1	
C6003	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1		L6101	VLQ0319K101	COIL 100UH	1	
C6004,05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		L6102,03	VLQ0163J470	COIL 47UH	2	
C6006,07	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2		L6201	VLQ0319K101	COIL 100UH	1	
C6008,09	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		L6801	VLQ0163J470	COIL 47UH	1	
C6010	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1		L6802	VLQ0319K101	COIL 100UH	1	
C6014-19	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6						
C6021,22	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2		P6001	VJP4064Q160	CONNECTOR (MALE)	1	
C6023	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1						
C6024	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		Q6801	2SD1819A-R	TRANSISTOR	1	
C6101	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1						
C6102	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1		QR6001	UN5213	TRANSISTOR-RESISTOR	1	
C6103	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1		QR6003	UN5211	TRANSISTOR-RESISTOR	1	
					QR6004,05	UN5213	TRANSISTOR-RESISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR6201-04	UN5114	TRANSISTOR-RESISTOR	4	
QR6206	UN5213	TRANSISTOR-RESISTOR	1	
QR6207	UN5114	TRANSISTOR-RESISTOR	1	
QR6208-10	UN5213	TRANSISTOR-RESISTOR	3	
R6001	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6002	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6003	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6004-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6007	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	1	
R6008	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R6009	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6010	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6011	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6012	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6013	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6014	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6015	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6016,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6019	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6021	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6022	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6023	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6025	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6026	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6029	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6030-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R6037-39	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R6040-44	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6045,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6047,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6049	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6050	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6053	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6054-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6101-30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	30	
R6133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6137,38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6141-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6144	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6145	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6201-05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R6206-12	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	7	
R6213-15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R6216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6217	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6218,19	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6220-24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R6226-30	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	5	
R6231	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6233-36	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	4	
R6237	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6238-41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R6245,46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6247-50	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R6251-62	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	12	
R6263,64	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R6265	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6301,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R6312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6801	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6803,04	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R6805	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6806	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6807	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6808	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R6809	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R6810	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	1	
R6811	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6812,13	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R6814	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6816	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6817	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6818	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6819	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6820	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6821	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6822	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R6823	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6824	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R6826	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6827,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6829	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6839	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R6840	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R6845	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
TG6001	EYF6CU	TEST POINT	1	
TP6001,02	EYF6CU	TEST POINT	2	
TP6301	EYF6CU	TEST POINT	1	
VC6001	VCV0049	TRIMMER	1	
VC6301	ECRJA020E12	TRIMMER 20P	1	
X6001	VSX0499	CRYSTAL OSCILLATOR	1	
X6301	VSX0602	CRYSTAL OSCILLATOR	1	
X6801	VSX0498	CRYSTAL OSCILLATOR	1	
X6802	VSX0615	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4619	NUMBER PLATE	1	
E13	VEP82219C	SERVO P.C.BOARD	1	(RTL)
C2100,01	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C2103	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2107	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2108	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C2109	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2110	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2111	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C2113	VCE0180	E.CAPACITOR	1	
C2115	VCE0180	E.CAPACITOR	1	
C2120	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2133	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2134	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2135	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2137,38	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2139	ECEV1EV220Q	E.CAPACITOR CH 25V 22U	1	
C2140,41	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	2	
C2143	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2144-47	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2150,51	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C2152	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2200-04	VCE0180	E.CAPACITOR	5	
C2207	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C2208-10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2211	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2212,13	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C2217	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C2218-20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2221,22	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C2223	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2224	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2228-30	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2234-36	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2240	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2241	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC2602	TVHU04FT	IC	1		Q2836,37	2SB1073-R	TRANSISTOR	2	
IC2603	TCVHC157F	IC	1		Q2839	2SD1819A-R	TRANSISTOR	1	
IC2608	TC7WU04FU	IC	1		Q2840	2SB1219A-R	TRANSISTOR	1	
IC2609	TC7SH04FU	IC	1		Q2841,42	2SD1624-S	TRANSISTOR	2	
IC2610	SC371025AVFU	IC	1		Q2843	2SB1219A-R	TRANSISTOR	1	
IC2701	TA75W393FU	IC	1		Q2848	2SD1819A-R	TRANSISTOR	1	
IC2702	BA6219BFP-Y	IC	1						
IC2801	MC14538BF	IC	1		QR2101,02	UN5213	TRANSISTOR-RESISTOR	2	
IC2802	NJM2904M	IC	1		QR2106	UN5213	TRANSISTOR-RESISTOR	1	
IC2803	MC14538BF	IC	1		QR2150	UN5213	TRANSISTOR-RESISTOR	1	
IC2804	MC74HC11F	IC	1		QR2200,01	UN5213	TRANSISTOR-RESISTOR	2	
IC2805,06	TC7W04FU	IC	2		QR2305	UN5113	TRANSISTOR-RESISTOR	1	
IC2807	NJM2904M	IC	1		QR2306	UN5213	TRANSISTOR-RESISTOR	1	
IC2808,09	MC14538BF	IC	2		QR2504	UN5213	TRANSISTOR-RESISTOR	1	
IC2900	TVHT244FT	IC	1		QR2603	UN5214	TRANSISTOR-RESISTOR	1	
IC2901	TVHC08FT	IC	1		QR2701,02	UN5114	TRANSISTOR-RESISTOR	2	
					QR2703,04	UN5214	TRANSISTOR-RESISTOR	2	
L2101	VLQ0319K101	COIL 100UH	1		QR2801	UN5213	TRANSISTOR-RESISTOR	1	
L2104	VLQ0319K100	COIL 10UH	1		QR2804	UN5214	TRANSISTOR-RESISTOR	1	
L2200	VLQ0407120M	COIL 12UH	1		QR2809,10	UN5214	TRANSISTOR-RESISTOR	2	
L2201,02	VLQ0407151K	COIL 150UH	2		QR2813	UN5214	TRANSISTOR-RESISTOR	1	
L2301	VLQ0407120M	COIL 12UH	1		QR2814	UN5114	TRANSISTOR-RESISTOR	1	
L2302,03	VLQ0407151K	COIL 150UH	2		QR2818	UN5114	TRANSISTOR-RESISTOR	1	
L2501	VLQ0319K100	COIL 10UH	1		QR2824	UN5114	TRANSISTOR-RESISTOR	1	
L2601,02	VLQ0319K100	COIL 10UH	2		QR2828	UN5114	TRANSISTOR-RESISTOR	1	
L2701	VLQ0319K101	COIL 100UH	1		QR2834	UN5114	TRANSISTOR-RESISTOR	1	
					QR2838	UN5114	TRANSISTOR-RESISTOR	1	
P2600	VJP3172D003	CONNECTOR (MALE)	1		QR2844-46	UN5214	TRANSISTOR-RESISTOR	3	
P2601	VJP3172D002	CONNECTOR (MALE)	1		QR2849-52	UN5212	TRANSISTOR-RESISTOR	4	
P2602	VJP3172D004	CONNECTOR (MALE)	1		QR2915	UN5214	TRANSISTOR-RESISTOR	1	
P2603	VJP3172D002	CONNECTOR (MALE)	1		QR2921-23	UN5214	TRANSISTOR-RESISTOR	3	
P2604	VJP3172D003	CONNECTOR (MALE)	1		QR2925	UN5214	TRANSISTOR-RESISTOR	1	
P2605	VJP3518B002	CONNECTOR (MALE)	1		QR2940-43	UN5214	TRANSISTOR-RESISTOR	4	
P2606	VJP3172D003	CONNECTOR (MALE)	1						
P2607	VJS3801B010	CONNECTOR (FEMALE)	1		R2102-06	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
P2608	VJP3518B002	CONNECTOR (MALE)	1		R2107-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
P2609	VJP3172D002	CONNECTOR (MALE)	1		R2112-14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
P2610	VJP3518B003	CONNECTOR (MALE)	1		R2116	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
P2611	VJP3518B002	CONNECTOR (MALE)	1		R2118	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
P2612	VJP3172D004	CONNECTOR (MALE)	1		R2120	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
P2613	VJS3406B015	CONNECTOR (FEMALE)	1		R2123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
P2614,15	VJS3813C017	CONNECTOR (FEMALE)	2		R2125-27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
P2616	VJS3406B019	CONNECTOR (FEMALE)	1		R2130	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
P2617	VJP1232T	CONNECTOR (MALE) 5P	1		R2131	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
P2618	VJP3125B002	CONNECTOR (MALE)	1		R2132	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
P2619	VJP3809E060	CONNECTOR (MALE)	1		R2133	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
P2620	VJP3358C022	CONNECTOR (MALE)	1		R2134	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
					R2135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
Q2100,01	2SD1820R	TRANSISTOR	2		R2136	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
Q2103,04	2SD1820R	TRANSISTOR	2		R2137	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
Q2105	2SB1219A-R	TRANSISTOR	1		R2138	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q2200,01	2SB1073-R	TRANSISTOR	2		R2139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q2203-06	2SD1820R	TRANSISTOR	4		R2140	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
Q2301,02	2SB1073-R	TRANSISTOR	2		R2141	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
Q2401	2SB1219A-R	TRANSISTOR	1		R2142	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
Q2502,03	2SD1819A-R	TRANSISTOR	2		R2143	ERJ8GCVJ271	M.RESISTOR CH 1/8W 270	1	
Q2601	2SD1819A-R	TRANSISTOR	1		R2144	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
Q2702	2SB1073-R	TRANSISTOR	1		R2145	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
Q2703	2SD1624-S	TRANSISTOR	1		R2146	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
Q2811	2SB936A-Q	TRANSISTOR	1		R2147-50	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
Q2812	2SD1819A-R	TRANSISTOR	1		R2152	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q2815	2SD1819A-R	TRANSISTOR	1		R2153	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
Q2816,17	2SB1073-R	TRANSISTOR	2		R2154	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q2818	2SB936A-Q	TRANSISTOR	1		R2155	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
Q2819	2SD1819A-R	TRANSISTOR	1		R2158	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q2820	2SB1219A-R	TRANSISTOR	1		R2160	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q2821,22	2SD1624-S	TRANSISTOR	2		R2162-64	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
Q2823	2SB1219A-R	TRANSISTOR	1		R2167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
Q2825	2SD1819A-R	TRANSISTOR	1		R2172	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q2826,27	2SB1073-R	TRANSISTOR	2		R2178	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q2829	2SD1819A-R	TRANSISTOR	1		R2179,80	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2	
Q2830	2SB1219A-R	TRANSISTOR	1		R2181	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q2831,32	2SD1624-S	TRANSISTOR	2		R2183	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
Q2833	2SB1219A-R	TRANSISTOR	1		R2185	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q2835	2SD1819A-R	TRANSISTOR	1		R2188	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2190	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2191	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2192	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2194,95	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2196	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2197	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2201	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2205	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R2206	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R2208	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2209	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2210	ERJ8GICYJ1R5	M.RESISTOR CH 1/8W 1.5	1	
R2211	ERJ8GICYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R2212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2213,14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2215	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2216	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2217	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2221	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R2222	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R2224	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2225	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2226	ERJ8GICYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2227	ERJ8GICYJ1R2	M.RESISTOR CH 1/8W 1.2	1	
R2228	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2229,30	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2231	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2232	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2237	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2238	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2239	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2240	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2241	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2242	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2246	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2247	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2248	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2249	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2250	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2251,52	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R2253	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2254	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2255	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2256	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R2260	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2261	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2262	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R2263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2264	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2265	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2266	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2267	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2268-70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2271	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2272	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2273	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2274	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2275	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2276	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2277,78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2279	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2280	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2281	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2282-85	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	4	
R2286	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2287,88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2289	ERJ8GICYG681	M.RESISTOR CH 1/8W 680	1	
R2290	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2291	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2293	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2294	ERJ8GICYG681	M.RESISTOR CH 1/8W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2295	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2296	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2297	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2298	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2299	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2301,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2303	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2304	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2305	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2306	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2308-10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2312	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2313,14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2315	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2316	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2317	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R2318	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R2319	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2320	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2327,28	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2330	ERJ8GICYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2332	ERJ8GICYJ1R0	M.RESISTOR CH 1/8W 1	1	
R2334,35	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2337,38	ERJ8GICYJ1R0	M.RESISTOR CH 1/8W 1	2	
R2339	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2340,41	ERJ8GICYG681	M.RESISTOR CH 1/8W 680	2	
R2342	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2344	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2346-49	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	4	
R2356,57	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2358	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2361	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2362	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2363	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2364	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2371,72	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R2401	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2402	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2407	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2408	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2412	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2416	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2417	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2418	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2421	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2422	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2426	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2427	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2428	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2431	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2432	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2436	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2437	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2438	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2441,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2443	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2444	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2445	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2448	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R2449	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R2451	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R2461	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2468,69	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2470	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2471	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2472,73	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2503-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R2508	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2512	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2514	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2517,18	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	2	
R2519,20	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2524	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2526	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2527	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2533	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2534	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R2535	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2536	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2537-40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R2541	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2542	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2543	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2544	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2545-51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R2552,53	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R2558	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2559	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R2580	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2581	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2602	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R2604	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2605	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2607	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2608	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2609	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2620	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2621	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2636-38	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R2640	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2642	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2650,51	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2701,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2703	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2704	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2706	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2707	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2708	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2709	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2710	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2711	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2712,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2714	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2716,17	ERJ8GCGY101	M.RESISTOR CH 1/8W 100	2	
R2718	ERJ8GCGYJ300	M.RESISTOR CH 1/8W 30	1	
R2721	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R2722	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2727-30	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R2731-34	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R2735	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2736	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2737,38	ERJ8GCGYJ102	M.RESISTOR CH 1/8W 1K	2	
R2747	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2748	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2750	ERJ8GCGY0R00	M.RESISTOR CH 1/8W 0	1	
R2801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2803,04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2805	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2806	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2810,11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2815-17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2819,20	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2821	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2822	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2823-25	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
R2826,27	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R2828	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2829	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2830	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2831,32	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2833	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2834,35	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2836	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2837	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2838	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2839	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2840,41	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2842	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2843,44	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2845	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2846	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2847,48	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R2849	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2850	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2851,52	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2853	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2854,55	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2856	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2857	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2858	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2859	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2860,61	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2862	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2863,64	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2865	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2866	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2867,68	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R2869	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2870	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2871,72	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2873	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2874,75	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	2	
R2876	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2877	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2878	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2879	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2880	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	1	
R2881	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2882-84	ERJ8GCGYJ391	M.RESISTOR CH 1/8W 390	3	
R2885	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2886	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2887	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2890-95	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	6	
R2897,98	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	2	
R2900,01	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R2915	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2919-21	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R2922	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2923	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2924	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2925	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2926	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2933	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2934	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2935-37	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R2938,39	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R2940	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2941,42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2943	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2944	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2945-47	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	3	
SW2901	VSS0367-02B	SWITCH	1	
TG2114	EYF6CU	TEST POINT	1	
TG2300	EYF6CU	TEST POINT	1	
TP2100-02	EYF6CU	TEST POINT	3	
TP2107	EYF6CU	TEST POINT	1	
TP2113,14	EYF6CU	TEST POINT	2	
TP2116	EYF6CU	TEST POINT	1	
TP2301,02	EYF6CU	TEST POINT	2	
TP2402	EYF6CU	TEST POINT	1	
TP2501-05	EYF6CU	TEST POINT	5	
TP2601	EYF6CU	TEST POINT	1	
TP2902	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR2101-04	EVM7JGA00B54	V.RESISTOR 50K	4	
VR2401	EVM7JGA00B54	V.RESISTOR 50K	1	
VR2402	EVM7JGA00B24	V.RESISTOR 20K	1	
VR2501,02	EVM7JGA00B24	V.RESISTOR 20K	2	
VR2503,04	VRV0303B203A	V.RESISTOR 20K	2	
X2500	VSX0791	CRYSTAL OSCILLATOR	1	
X2601	VSX0645	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VSC4607	SHIELD CASE	1	
	VMS4911	POST	1	
	XYN26+J6	SCREW	1	
E14	VEP03E42A	RF P.C.BOARD	1 (RTL)	
C1,C2	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C3	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4,C5	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C6	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C7	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C8	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C9,10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C11	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C12	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C13	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C14,15	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C16	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C17,18	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C19	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C20,21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C22	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C23,24	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C25	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C26-28	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C30	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C100	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C102	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C104	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C105,06	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C107	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C109	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C111	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C112,13	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C114,15	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C200	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C208	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C210	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C211	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C212	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C213	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C214,15	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C217,18	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C219	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C220,21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C223,24	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C225	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C231	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C232	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C233	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C234	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C235,36	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C238	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C240,41	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C243-46	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C248-50	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C251,52	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	
C253	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C254,55	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C257-60	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C261,62	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	2	
C263	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C264	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C265	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C266	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C267,68	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C269	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C270	ECEV1HNR22Q	E.CAPACITOR CH 50V 0.22U	1	
C271,72	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C300-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	8	
C309	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C311	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C312	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C313	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C314-18	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C319	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C320	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C321	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C322	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C323	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C324	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C400-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	8	
C408	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C409	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C410-16	VCK0303M225	C.CAPACITOR CH 25V 0.1U	7	
C417	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C418-21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C422	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C423	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1	
C424	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C425	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C426	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C427	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C428	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C429-31	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C432	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C433	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C434	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C435	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C500	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C501-08	VCK0303M225	C.CAPACITOR CH 25V 0.1U	8	
C509,10	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	2	
C511-14	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C515	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C516-22	VCK0303M225	C.CAPACITOR CH 25V 0.1U	7	
C523-26	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C527-29	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C530	ECUM1C154KBN	C.CAPACITOR CH 16V 0.15U	1	
C531	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C532-34	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C535	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C536-51	VCK0303M225	C.CAPACITOR CH 25V 0.1U	16	
D200-03	MA142WK	DIODE	4	
D400	MA142WA	DIODE	1	
D401	MA142WK	DIODE	1	
FL1	VLF0941C223	FILTER	1	
IC1	TVHC125FT	IC	1	
IC2	TC7S04FU	IC	1	
IC3	XC62AP5002P	IC	1	
IC4	XC62DN5002P	IC	1	
IC5	XC62AP3002P	IC	1	
IC6	XC62AP5002M	IC	1	
IC7	XC62DN5002P	IC	1	
IC8	TVHC125FT	IC	1	
IC9	TC7S00FU	IC	1	
IC10	TC7W02FU	IC	1	
IC100	TC7W04FU	IC	1	
IC101	TC7W00FU	IC	1	
IC200,01	TC4S69F	IC	2	
IC203	NJM062M	IC	1	
IC204	XC62DN5002P	IC	1	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC205,06	TC4S69F	IC	2	
IC207	NJM062M	IC	1	
IC208	UPC1663G	IC	1	
IC209	TC7W32FU	IC	1	
IC210,11	TC7S04FU	IC	2	
IC300	UPC5102GS030	IC	1	
IC301	TC7W04FU	IC	1	
IC302	UPC1663G	IC	1	
IC303	TC7W08FU	IC	1	
IC304	TC7W04FU	IC	1	
IC400	UPC5102GS030	IC	1	
IC401	UPC1663G	IC	1	
IC402	NJM062M	IC	1	
IC403	TC7S86FU	IC	1	
IC404	TC4W53F	IC	1	
IC500	AN3730FA	IC	1	
IC501	AN3740FAP-A	IC	1	
IC502	MC14053BF	IC	1	
L1	VLQ0319K220	COIL 22UH	1	
L2,L3	VLQ0319K101	COIL 100UH	2	
L100-03	VLQ0163J2R2	COIL 2.2UH	4	
L200-03	VLQ0163J330	COIL 33UH	4	
L300,01	VLQ0163J1R0	COIL 1UH	2	
L303	VLQ0163JR22	COIL 0.22UH	1	
L400	VLQ0163JR22	COIL 0.22UH	1	
L401	VLQ0163J1R0	COIL 1UH	1	
L402	VLQ0163J470	COIL 47UH	1	
L403	VLQ0163JR22	COIL 0.22UH	1	
P1	VJP3978A080A	CONNECTOR (MALE)	1	
P2	VJP3358C012	CONNECTOR (MALE)	1	
P3	VJS3899D013	CONNECTOR (FEMALE)	1	
P4	VJS3898D010	CONNECTOR (FEMALE)	1	
Q1	2SB1114	TRANSISTOR	1	
Q2	2SD1280-S	TRANSISTOR	1	
Q3	2SB1218A-R	TRANSISTOR	1	
Q100	2SB709-R	TRANSISTOR	1	
Q101	2SD1819A-R	TRANSISTOR	1	
Q102,03	2SC3735B35	TRANSISTOR	2	
Q104	2SB709-R	TRANSISTOR	1	
Q105	2SD1819A-R	TRANSISTOR	1	
Q106,07	2SC3735B35	TRANSISTOR	2	
Q201	2SA1532-B	TRANSISTOR	1	
Q202-05	2SD1979	TRANSISTOR	4	
Q207	2SC3935	TRANSISTOR	1	
Q208,09	2SC2954	TRANSISTOR	2	
Q210	2SC3935	TRANSISTOR	1	
Q212,13	2SA1532-B	TRANSISTOR	2	
Q214	2SC2954	TRANSISTOR	1	
Q215	2SA1532-B	TRANSISTOR	1	
Q216-19	2SD1979	TRANSISTOR	4	
Q221,22	2SC2954	TRANSISTOR	2	
Q225,26	2SA1532-B	TRANSISTOR	2	
Q227	2SC2954	TRANSISTOR	1	
Q228	2SD1280-S	TRANSISTOR	1	
Q229	2SB1218A-R	TRANSISTOR	1	
Q230	2SB1114	TRANSISTOR	1	
Q231-34	2SK508K512	TRANSISTOR	4	
Q235	2SB1114	TRANSISTOR	1	
Q300	XN5531	TRANSISTOR-RESISTOR	1	
Q304,05	2SC3935	TRANSISTOR	2	
Q306	2SC3930-B	TRANSISTOR	1	
Q307	XN5531	TRANSISTOR-RESISTOR	1	
Q400,01	2SC3930-B	TRANSISTOR	2	
Q403	2SC3930-B	TRANSISTOR	1	
Q404	XN5531	TRANSISTOR-RESISTOR	1	
Q405	XN6435	TRANSISTOR-RESISTOR	1	
Q406-11	2SC3930-B	TRANSISTOR	6	
Q500	2SC3930-B	TRANSISTOR	1	
Q501	2SB1219A-R	TRANSISTOR	1	
QR1	UN5213	TRANSISTOR-RESISTOR	1	
QR100,01	UN5213	TRANSISTOR-RESISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR200,01	UN5213	TRANSISTOR-RESISTOR	2	
QR400	UN5212	TRANSISTOR-RESISTOR	1	
QR401	UN5213	TRANSISTOR-RESISTOR	1	
R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R7	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R8	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R102	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R103	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R104	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R105	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	
R106	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R107	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R108,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R110	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	
R111	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R112	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R114	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R115	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R116	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R117	ERJ6GEYJ5R6	M.RESISTOR CH 1/10W 5.6	1	
R118	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R119	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R120,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R122	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	
R123	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R124	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R200-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R203-06	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R207,08	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R212,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R218	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R220	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R221	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R222,23	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R224	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R225,26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R227	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R231	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R232	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R233,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R237	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R238,39	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R240	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R241	ERJ14YJ270H	M.RESISTOR CH 1/4W 27	1	
R242-44	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R245-48	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R249,50	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R251,52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R253	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R262,63	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R264	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R266	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R268	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R269	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R270,71	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R274	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R275,76	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R277	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R278	ERJ14YJ270H	M.RESISTOR CH 1/4W 27	1	
R280	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R287,88	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R289,90	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R291	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R292	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R293-96	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	4	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1	VCK0151	C.CAPACITOR	1	
C1	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C1	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C2	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP88234R
C2	VCK0151	C.CAPACITOR	1	FOR VEP83439A
C2	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	
C2	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C3	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP88234R
C3	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	2	FOR VEP83439A
C4	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C4	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP88234R
C5	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C6	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C102,03	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	2	
C150	ECUV1E104ZVF	C.CAPACITOR CH 25V 0.1U	1	
C151	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C152	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C153	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C154,55	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C156	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C157	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C158	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C159,60	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C161	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C162	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C163	VCK0151	C.CAPACITOR	1	
C164,65	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C166	ECSF1AE225	T.CAPACITOR CH 10V 2.2U	1	
C167	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C168	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C170	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C200	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C201	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C202	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C220,21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C250,51	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C300-02	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C303	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C304,05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C500	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C501	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C502-06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C508-11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C600	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C601	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C602	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C603	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C604	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C605-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C627,28	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C700	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C701-03	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C704	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C705	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C706	VCK0152	C.CAPACITOR	1	
C707	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C708	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C711	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C712	VCK0152	C.CAPACITOR	1	
C713	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C800	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C801	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C810	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C850-58	VCK0303M225	C.CAPACITOR CH 25V 0.1U	9	
C860	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C871-74	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C900	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C901	VCK0150	C.CAPACITOR	1	
C902	ECST1AC476Z	T.CAPACITOR CH 10V 47U	1	
C903	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C904	ECST1AC476Z	T.CAPACITOR CH 10V 47U	1	
C905	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C906	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C908	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C909	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C910	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C950	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C953	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C954-57	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C959	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
D600-02	MA715	DIODE	3	
D603	MA143	DIODE	1	
IC1	M31020EAVP	IC	1	FOR VEP88234R
IC1	PLL1700E	IC	1	
IC1	PZ3128S10BP	BRANK ROM	1	SOFTWARE VVVS13291
IC2	XC62FP3002M	IC	1	
IC4-C6	TC7SHU04FU	IC	3	
IC7	CG46183-134	IC	1	
IC8	L7A1592	IC	1	
IC9	MN4706F	IC	1	
IC11	MN67373	IC	1	
IC12	XC62FP2302M	IC	1	
IC17	XC62FP2302M	IC	1	
IC18	M65501FP	IC	1	
IC19	MB81V4260S7	IC	1	
IC20	TC7W08FU	IC	1	
IC21	TC7S04FU	IC	1	
IC22	XC62FP3202P	IC	1	
IC23	XC62FP3002M	IC	1	
IC24	TC7W04FU	IC	1	
IC25	M52660FP	IC	1	
IC26	TC7SH32FU	IC	1	
IC27	UPC2384GA	IC	1	
IC28	TVHC32FT	IC	1	
IC31-33	TC7SH32FU	IC	3	
IC36	TVHC157FT	IC	1	
IC38	TC7W241FU	IC	1	
IC39,40	TVHC367FT	IC	2	
IC41	TC7W125FU	IC	1	
IC43	TC7W241FU	IC	1	
IC44	XC62FP2302M	IC	1	
IC45	TVHC245FT	IC	1	
IC46	TVHC367FT	IC	1	
IC48	XC62EP3302M	IC	1	
IC49	BT864AKPF	IC	1	
IC50	AD817AR	IC	1	
IC51	XC62FP5002M	IC	1	
IC52	MB88344PFV	IC	1	
ID1	VVVS13291	SOFTWARE	1	IC1
L1	VLF1151A132	COIL 1300UH	1	
L1	VLF1151A132	COIL 1300UH	1	FOR VEP83439A
L1	VLP0155	FERRITE CORE	1	
L150	VLP0145	COIL	1	
L151	VLQ0464K6R8	COIL 6.8UH	1	
L152	VLQ0426J3R9	COIL 3.9UH	1	
L600	VLQ0319K470	COIL 47UH	1	
L700,01	VLQ0319K101	COIL 100UH	2	
L702	VLQ0426J1R8	COIL 1.8UH	1	
L704	VLQ0319K101	COIL 100UH	1	
L705	VLQ0426J1R8	COIL 1.8UH	1	
L800	VLP0155	COIL	1	
L802	VLP0155	COIL	1	
L900	VLQ0464K6R8	COIL 6.8UH	1	
L902	VLQ0319K101	COIL 100UH	1	
L903	ELJNA1R5JF	COIL 1.5UH	1	
L904	VLP0155	COIL	1	
P1	VJP3808E160	CONNECTOR (MALE)	1	
P1	VJP4106A120L	CONNECTOR	1	FOR VEP88234R
P1	VJS3806E120	CONNECTOR (FEMALE)	1	FOR VEP83439A
P2	VJS3978A080F	CONNECTOR (FEMALE)	1	
P3	VJP3125B002	CONNECTOR (MALE)	1	
P4	VJP3808E120	CONNECTOR (MALE)THERM	1	
P5	VJS4106A120L	CONNECTOR	1	
Q600	2SB709A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q700	2SB1114	TRANSISTOR	1	
QR600	UN2214	TRANSISTOR-RESISTOR	1	
QR850,51	UN2214	TRANSISTOR-RESISTOR	2	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83439A
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83439A
R7-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R20-22	EXB24V100J	COMBI.R-R 10	3	
R24	EXB24V100J	COMBI.R-R 10	1	
R27-30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R34	EXB24V100J	COMBI.R-R 10	1	
R36	EXB24V100J	COMBI.R-R 10	1	
R38,39	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R41	EXB24V100J	COMBI.R-R 10	1	
R43	EXB24V100J	COMBI.R-R 10	1	
R45	EXB24V100J	COMBI.R-R 10	1	
R47	EXB24V100J	COMBI.R-R 10	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R107,08	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R150	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R151	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R152	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R153	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R154,55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R156	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R159	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R204	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R210-13	EXB24V103J	COMBI.R-R 10K	4	
R220-23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R224,25	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R251	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R503	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	EXB24V103J	COMBI.R-R 10K	2	
R510	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R600	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R601-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R604-06	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	3	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R611	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R612	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R613	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R614-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	9	
R623,24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R625	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R626	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R627	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R629	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R631	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R632	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R633	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R700,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R702	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R706	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R708-10	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R712	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R713	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R714	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R715	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R719	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R721,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R724	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R725	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R851	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R852	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R853,54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R857	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R900	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R901	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R902	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R903,04	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R905,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R950-52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R953-55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
TG1,G2	EYF6CU	TEST POINT	2	
TP1-P3	EYF6CU	TEST POINT	3	
TP6	EYF6CU	TEST POINT	1	
TP8-13	EYF6CU	TEST POINT	6	
X1	VXS0847	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN26+C35	SCREW	7	
	VMS6135	POST	3	
	VMS6279	SPACER	2	
	XQN26+A3	SCREW	3	
	VMZ2835	ISOLATION SHEET	1	
E15	VEP83377F	VIDEO P.C.BOARD	1	(RTL)FOR AJ-D610WAE
	VEP83439A	CLS AUX P..CBOARD	1	(RTL)FOR VEP83377F
	VEP83519A	VIDEO PLL P.C.BOARD	1	(RTL)FOR VEP83377F
	VEP88234R	VIDEO SUB P.C.BOARD	1	(RTL)FOR VEP83377F
C1	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP88234R
C1	VCK0151	C.CAPACITOR	1	
C1	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C1	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C2	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP88234R
C2	VCK0151	C.CAPACITOR	1	FOR VEP83439A
C2	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C2	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83519A
C3	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP88234R
C3	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C4	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C4	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP88234R
C5	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C6	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83439A
C102,03	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	2	
C150	ECUV1E104ZV	C.CAPACITOR CH 25V 0.1U	1	
C151	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C152	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C153	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C154,55	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C156	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C157	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C158	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C159,60	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C161	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C162	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C163	VCK0151	C.CAPACITOR	1	
C164,65	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C166	ECSF1AE225	T.CAPACITOR CH 10V 2.2U	1	
C167	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C168	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C170	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C200	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C201	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C202	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C220,21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C250,51	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C300-02	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C303	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C304,05	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C500	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C501	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C502-06	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
C508-11	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C600	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C601	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C602	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C603	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	
C604	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C605-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C627,28	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C700	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C701-03	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C704	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C705	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C706	VCK0152	C.CAPACITOR	1	
C707	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C708	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C711	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C712	VCK0152	C.CAPACITOR	1	
C713	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C800	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C801	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C810	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C850-58	VCK0303M225	C.CAPACITOR CH 25V 0.1U	9	
C860	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C871-74	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C900	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C901	VCK0150	C.CAPACITOR	1	
C902	ECST1AC476Z	T.CAPACITOR CH 10V 47U	1	
C903	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C904	ECST1AC476Z	T.CAPACITOR CH 10V 47U	1	
C905	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C906	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C908	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C909	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C910	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C950	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C953	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C954-57	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
C959	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
D600-02	MA715	DIODE	3	
D603	MA143	DIODE	1	
IC1	M31020EAVP	IC	1	FOR VEP88234R
IC1	PLL1700E	IC	1	FOR VEP83519A
IC1	PZ3128S10BP	BRANK ROM	1	SOFTWARE VVVS13291
IC2	XC62FP3002M	IC	1	
IC4-C6	TC7SHU04FU	IC	3	
IC7	CG46183-134	IC	1	
IC8	L7A1592	IC	1	
IC9	MN4707F	IC	1	
IC11	MN67373	IC	1	
IC12	XC62FP2302M	IC	1	
IC17	XC62FP2302M	IC	1	
IC18	M65501FP	IC	1	
IC19	MB81V4260S7	IC	1	
IC20	TC7W08FU	IC	1	
IC21	TC7S04FU	IC	1	
IC22	XC62FP3202P	IC	1	
IC23	XC62FP3002M	IC	1	
IC24	TC7W04FU	IC	1	
IC25	M52660FP	IC	1	
IC26	TC7SH32FU	IC	1	
IC27	UPC2384GA	IC	1	
IC28	TVHC32FT	IC	1	
IC31-33	TC7SH32FU	IC	3	
IC36	TVHC157FT	IC	1	
IC38	TC7W241FU	IC	1	
IC39,40	TVHC367FT	IC	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC41	TC7W125FU	IC	1	
IC43	TC7W241FU	IC	1	
IC44	XC62FP2302M	IC	1	
IC45	TVHC245FT	IC	1	
IC46	TVHC367FT	IC	1	
IC48	XC62EP3302M	IC	1	
IC49	BT864AKPF	IC	1	
IC50	AD817AR	IC	1	
IC51	XC62FP5002M	IC	1	
IC52	MB88344PFV	IC	1	
ID1	VVVS13291	SOFTWARE	1	IC1
L1	VLF1151A132	COIL	1	
L1	VLF1151A132	COIL	1	FOR VEP83439A
L1	VLP0155	FERRITE CORE	1	FOR VEP83519A
L150	VLP0145	COIL	1	
L151	VLQ0464K6R8	COIL 6.8UH	1	
L152	VLQ0426J3R9	COIL 3.9UH	1	
L600	VLQ0319K470	COIL 47UH	1	
L700,01	VLQ0319K101	COIL 100UH	2	
L702	VLQ0426J1R8	COIL 1.8UH	1	
L704	VLQ0319K101	COIL 100UH	1	
L705	VLQ0426J1R8	COIL 1.8UH	1	
L800	VLP0155	COIL	1	
L802	VLP0155	COIL	1	
L900	VLQ0464K6R8	COIL 6.8UH	1	
L902	VLQ0319K101	COIL 100UH	1	
L903	ELJNA1R5JF	COIL 1.5UH	1	
L904	VLP0155	COIL	1	
P1	VJP3808E160	CONNECTOR (MALE)	1	
P1	VJP4106A120L	CONNECTOR	1	FOR VEP88234R
P1	VJS3806E120	CONNECTOR (FEMALE)	1	FOR VEP83439A
P2	VJS3978A080F	CONNECTOR (FEMALE)	1	
P3	VJP3125B002	CONNECTOR (MALE)	1	
P4	VJP3808E120	CONNECTOR (MALE)THERM	1	
P5	VJS4106A120L	CONNECTOR	1	
Q600	2SB709A-R	TRANSISTOR	1	
Q700	2SB1114	TRANSISTOR	1	
QR600	UN2214	TRANSISTOR-RESISTOR	1	
QR850,51	UN2214	TRANSISTOR-RESISTOR	2	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83439A
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83439A
R7-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R20-22	EXB24V100J	COMBI.R-R 10	3	
R24	EXB24V100J	COMBI.R-R 10	1	
R27-30	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R34	EXB24V100J	COMBI.R-R 10	1	
R36	EXB24V100J	COMBI.R-R 10	1	
R38,39	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R41	EXB24V100J	COMBI.R-R 10	1	
R43	EXB24V100J	COMBI.R-R 10	1	
R45	EXB24V100J	COMBI.R-R 10	1	
R47	EXB24V100J	COMBI.R-R 10	1	
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R107,08	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R150	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R151	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R152	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R153	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R154,55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R156	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R159	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R203	ERJ3GEYJ180	M.RESISTOR CH 1/16W 18	1	
R204	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R210-13	EXB24V103J	COMBI.R-R 10K	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R220-23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R224,25	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R251	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R402	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R503	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R508,09	EXB24V103J	COMBI.R-R 10K	2	
R510	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R600	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R601-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R604-06	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	3	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R611	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R612	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R613	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R614-22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	9	
R623,24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R625	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R626	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R627	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R629	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R631	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R632	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R633	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R700,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R702	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R706	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R708-10	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R712	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R713	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R714	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R715	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R719	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R721,22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R724	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R725	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R804	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R850	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R851	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R852	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R853,54	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R857	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R900	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R901	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R902	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R903,04	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R905,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R950-52	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R953-55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
TG1,G2	EYF6CU	TEST POINT	2	
TP1-P3	EYF6CU	TEST POINT	3	
TP6	EYF6CU	TEST POINT	1	
TP8-13	EYF6CU	TEST POINT	6	
X1	VSX0847	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN26+C35	SCREW	7	
	VMS6135	POST	3	
	VMS6279	SPACER	2	
	XQN26+A3	SCREW	3	
	VMZ2835	ISOLATION SHEET	1	
E16	VEP81180E	POWER P.C.BOARD	1	(RTL)FOR AJ-D610WAP

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1001,02	VCEA1DAP680	E.CAPACITOR 20V 68U	2	
C1003	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	1	
C1004	ECEV0JN220Q	E.CAPACITOR CH6.3V 22U	1	
C1005	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1006	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1007	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C1008	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1009	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1010	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C1011	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1012	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1013	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1014	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1015	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
C1017	VCEA0JAP151	E.CAPACITOR 6.3V 150U	1	
C1018	VCEA0JAP470	C.CAPACITOR 6.3V 47P	1	
C1019	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1021	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1022	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1023	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1024	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1025	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C1026	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1027,28	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1029	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1030	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1031	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1032	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1034	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1035	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1036	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1037,38	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C1039	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1040,41	ECA1EFQ221	E.CAPACITOR 25V 220U	2	
C1043	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C1044	EEUFA1C471	E.CAPACITOR 16V 470U	1	
C1045	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1050	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1051	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1052	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1053	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1054,55	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1056	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1057	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C1058	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1059	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1060	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1063	VCEA1AAP221	E.CAPACITOR 10V 220U	1	
C1064	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1065	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
C1067	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C1068	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1069	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1070	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1071	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C1072	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1073	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C1074	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1076	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C1079	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1082	VCEA0JAP151	E.CAPACITOR 6.3V 150U	1	
C1083	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1085	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C1086	VCEA1CAP330	C.CAPACITOR 16V 33U	1	
C1087	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	1	
C1088-94	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	7	
D1001	MA142WK	DIODE	1	
D1002-05	NSQ03A04	DIODE	4	
D1006	SFPB-64	DIODE	1	
D1007	MA739	DIODE	1	
D1008,09	MA8068-H	DIODE	2	
D1010	SFPB-64	DIODE	1	
D1011-13	MA8068-H	DIODE	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1014	MA8043-H	DIODE	1		Q1047	2SD1820A-R	TRANSISTOR	1	
D1015-18	NSQ03A04	DIODE	4		Q1051	2SD1820A-R	TRANSISTOR	1	
D1019-22	MA142WK	DIODE	4						
D1028	NSQ03A04	DIODE	1		QR1001	UN5112	TRANSISTOR-RESISTOR	1	
D1029	MA8100-H	DIODE	1		QR1002-08	UN5211	TRANSISTOR-RESISTOR	7	
D1030	NSQ03A04	DIODE	1		QR1010	UN5211	TRANSISTOR-RESISTOR	1	
D1032	MA142WK	DIODE	1		QR1017	2SD1820A-R	TRANSISTOR	1	
D1034	NSQ03A04	DIODE	1		QR1018	UN5111	TRANSISTOR-RESISTOR	1	
IC1001-04	TL1451CNS	IC	4		R1001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
					R1002	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
L1001	VLQ0856	COIL	1		R1003	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
L1002	VLQ0319K100	COIL 10UH	1		R1004-07	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
L1003	VLQ0441K1R0	COIL 1.0UH	1		R1008	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
L1004	VLQ0821	COIL	1		R1009	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
L1005	VLQ0407100M	COIL 10UH	1		R1010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
L1006	VLQ0441K1R0	COIL 1.0UH	1		R1011,12	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
L1007	VLQ0642	COIL	1		R1013	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
L1008	VLQ0857	COIL	1		R1014	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
L1009	VLQ0441K1R0	COIL 1.0UH	1		R1015	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
L1010	VLQ0765	COIL	1		R1016	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
L1011	VLQ0417	COIL 10UH	1		R1017	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
L1012	VLQ0441K1R0	COIL 1.0UH	1		R1019	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
L1013,14	VLQ0613M100	COIL 10UH	2		R1020	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
L1015	VLQ0441K1R0	COIL 1.0UH	1		R1021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
L1016	VLQ0642	COIL	1		R1023-26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
L1017	VLQ0613M100	COIL 10UH	1		R1027	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
L1018	VLQ0441K1R0	COIL 1.0UH	1		R1028	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
L1019	VLQ0642	COIL	1		R1029	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
L1020	VLQ0613M100	COIL 10UH	1		R1030,31	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
L1021	VLQ0441K1R0	COIL 1.0UH	1		R1032	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
L1023	VLQ0417	COIL 10UH	1		R1033	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
L1024	VLQ0642	COIL	1		R1034	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
L1025	VLQ0613M100	COIL 10UH	1		R1035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
L1026-32	VLP0353	COIL	7		R1037	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
					R1038	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
P1001	VJP1244T	CONNECTOR (MALE) 4P	1		R1039	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
P1002	VJP2739B013	CONNECTOR (MALE)	1		R1040	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
					R1041	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
Q1001	2SD1820A-R	TRANSISTOR	1		R1042	ERJ8GICY472	M.RESISTOR CH 1/8W 4.7K	1	
Q1002	2SB1219A-R	TRANSISTOR	1		R1043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
Q1003	2SJ279S	TRANSISTOR	1		R1044	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
Q1004	2SD1820A-R	TRANSISTOR	1		R1045	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
Q1005	2SB1219A-R	TRANSISTOR	1		R1047	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
Q1006	2SJ279S	TRANSISTOR	1		R1048	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
Q1007	2SD1820A-R	TRANSISTOR	1		R1049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q1008	2SB1219A-R	TRANSISTOR	1		R1050-53	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
Q1009	2SJ279S	TRANSISTOR	1		R1055	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
Q1010	2SB1219A-R	TRANSISTOR	1		R1056	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
Q1011	2SD1820A-R	TRANSISTOR	1		R1057	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
Q1012	2SB1219A-R	TRANSISTOR	1		R1058,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
Q1013	2SK1748-Z	TRANSISTOR	1		R1060	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
Q1015	2SD1820A-R	TRANSISTOR	1		R1061	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
Q1016	2SB1219A-R	TRANSISTOR	1		R1062	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
Q1017	2SJ279S	TRANSISTOR	1		R1063	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
Q1018	2SD1820A-R	TRANSISTOR	1		R1064	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
Q1019	2SB1219A-R	TRANSISTOR	1		R1067	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
Q1020	2SJ279S	TRANSISTOR	1		R1068	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
Q1024	2SD1820A-R	TRANSISTOR	1		R1069	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
Q1025	2SB1219A-R	TRANSISTOR	1		R1071-74	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
Q1026	2SJ279S	TRANSISTOR	1		R1075	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
Q1027	2SD1820A-R	TRANSISTOR	1		R1076	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
Q1028	XN4401	TRANSISTOR-RESISTOR	1		R1077	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
Q1029	2SD1820A-R	TRANSISTOR	1		R1080,81	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
Q1030	XN4401	TRANSISTOR-RESISTOR	1		R1085	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
Q1031	2SD1820A-R	TRANSISTOR	1		R1087	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
Q1032	XN4401	TRANSISTOR-RESISTOR	1		R1088	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
Q1033	2SD1820A-R	TRANSISTOR	1		R1089	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
Q1034	XN4401	TRANSISTOR-RESISTOR	1		R1091	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
Q1035	2SD1820A-R	TRANSISTOR	1		R1092	ERJ6GEYJ120	M.RESISTOR CH 1/10W 12	1	
Q1042	XN4401	TRANSISTOR-RESISTOR	1		R1093	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
Q1043	2SD1820A-R	TRANSISTOR	1		R1094	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
Q1044	XN4401	TRANSISTOR-RESISTOR	1		R1095	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
Q1045	2SD1820A-R	TRANSISTOR	1		R1096	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
Q1046	XN4401	TRANSISTOR-RESISTOR	1		R1097	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1098	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1099	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1100	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1101	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1102	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1104	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1105	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1106	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1107	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1109	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1110	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1113	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1125	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1126	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1127	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1128	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1129	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1132	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1133	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1134	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1135	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1136	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1141	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1142	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1143	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1144	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1147	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1148	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1151	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
T1001	VTP0514	TRANSFORMER	1	
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
TP1003	EYF6CU	TEST POINT	1	
TP1005	EYF6CU	TEST POINT	1	
TP1009	EYF6CU	TEST POINT	1	
TP1016	EYF6CU	TEST POINT	1	
TP1036	EYF6CU	TEST POINT	1	
TP1056	EYF6CU	TEST POINT	1	
TP1111	EYF6CU	TEST POINT	1	
TP1136	EYF6CU	TEST POINT	1	
TP1156	EYF6CU	TEST POINT	1	
TP1195	EYF6CU	TEST POINT	1	
VR1001	EVM7JGA00B13	V.RESISTOR 1K	1	
VR1003	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1005	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1009	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1016	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1036	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1056	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1156	EVM7JGA00B23	V.RESISTOR 2K	1	
		MISCELLANEOUS		
	VMP5584	P.C.BOARD ANGLE	1	
	XYN3+K8	SCREW	1	
	VEE0F71	PHANTOM CABLE	1	
E16	VEP81180F	POWER P.C.BOARD	1	(RTL)FOR AJ-D610WAE

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1001,02	VCEA1DAP680	E.CAPACITOR 20V 68U	2	
C1003	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	1	
C1004	ECEV0JN220Q	E.CAPACITOR CH6.3V 22U	1	
C1005	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1006	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1007	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C1008	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1009	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1010	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C1011	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1012	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1013	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1014	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1015	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
C1017	VCEA0JAP151	E.CAPACITOR 6.3V 150U	1	
C1018	VCEA0JAP470	E.CAPACITOR 6.3V 47P	1	
C1019	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1021	EEUFC1A102	E.CAPACITOR 10V 1000U	1	
C1022	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1023	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1024	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1025	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C1026	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1027,28	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1029	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1030	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1031	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1032	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1034	EEUFC1A102	E.CAPACITOR 10V 1000U	1	
C1035	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1036	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C1037,38	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C1039	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1040,41	ECA1EFQ221	E.CAPACITOR 25V 220U	2	
C1043	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C1044	EEUFA1C471	E.CAPACITOR 16V 470U	1	
C1045	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1050	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1051	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1052	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C1053	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C1054,55	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C1056	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1057	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C1058	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1059	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1060	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1063	VCEA1AAP221	E.CAPACITOR 10V 220U	1	
C1064	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1065	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
C1067	EEUFC1A102	E.CAPACITOR 10V 1000U	1	
C1068	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1069	VCEA0JSC220M	E.CAPACITOR 6.3V 22U	1	
C1070	VCEA0JSC100M	E.CAPACITOR 6.3V 10U	1	
C1071	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C1072	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C1073	ECUX1H183KBV	C.CAPACITOR CH 50V 0.018U	1	
C1074	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1076	ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C1079	VCEA1DAP680	E.CAPACITOR 20V 68U	1	
C1082	VCEA0JAP151	E.CAPACITOR 6.3V 150U	1	
C1083	VCEA1AAP330	E.CAPACITOR 10V 33U	1	
C1085	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C1086	VCEA1CAP330	C.CAPACITOR 16V 33U	1	
C1087	ECEV1EV100Q	E.CAPACITOR CH 25V 10U	1	
C1088-94	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	7	
D1001	MA142WK	DIODE	1	
D1002-05	NSQ03A04	DIODE	4	
D1006	SFPB-64	DIODE	1	
D1007	MA739	DIODE	1	
D1008,09	MA8068-H	DIODE	2	
D1010	SFPB-64	DIODE	1	
D1011-13	MA8068-H	DIODE	3	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1014	MA8043-H	DIODE	1	
D1015-18	NSQ03A04	DIODE	4	
D1019-22	MA142WK	DIODE	4	
D1028	NSQ03A04	DIODE	1	
D1029	MA8100-H	DIODE	1	
D1030	NSQ03A04	DIODE	1	
D1032	MA142WK	DIODE	1	
D1034	NSQ03A04	DIODE	1	
IC1001-04	TL1451CNS	IC	4	
L1001	VLQ0856	COIL	1	
L1002	VLQ0319K100	COIL 10UH	1	
L1003	VLQ0441K1R0	COIL 1.0UH	1	
L1004	VLQ0821	COIL	1	
L1005	VLF1151A132	COIL 1300UH	1	
L1006	VLQ0441K1R0	COIL 1.0UH	1	
L1007	VLQ0642	COIL	1	
L1008	VLQ0857	COIL	1	
L1009	VLQ0441K1R0	COIL 1.0UH	1	
L1010	VLQ0765	COIL	1	
L1011	VLQ0417	COIL 10UH	1	
L1012	VLQ0441K1R0	COIL 1.0UH	1	
L1013,14	VLQ0613M100	COIL 10UH	2	
L1015	VLQ0441K1R0	COIL 1.0UH	1	
L1016	VLQ0642	COIL	1	
L1017	VLQ0613M100	COIL 10UH	1	
L1018	VLQ0441K1R0	COIL 1.0UH	1	
L1019	VLQ0642	COIL	1	
L1020	VLQ0613M100	COIL 10UH	1	
L1021	VLQ0441K1R0	COIL 1.0UH	1	
L1023	VLQ0417	COIL 10UH	1	
L1024	VLQ0642	COIL	1	
L1025	VLQ0613M100	COIL 10UH	1	
L1026-32	VLP0353	COIL	7	
P1001	VJP1244T	CONNECTOR (MALE) 4P	1	
P1002	VJP2739B013	CONNECTOR (MALE)	1	
Q1001	2SD1820A-R	TRANSISTOR	1	
Q1002	2SB1219A-R	TRANSISTOR	1	
Q1003	2SJ279S	TRANSISTOR	1	
Q1004	2SD1820A-R	TRANSISTOR	1	
Q1005	2SB1219A-R	TRANSISTOR	1	
Q1006	2SJ279S	TRANSISTOR	1	
Q1007	2SD1820A-R	TRANSISTOR	1	
Q1008	2SB1219A-R	TRANSISTOR	1	
Q1009	2SJ279S	TRANSISTOR	1	
Q1010	2SB1219A-R	TRANSISTOR	1	
Q1011	2SD1820A-R	TRANSISTOR	1	
Q1012	2SB1219A-R	TRANSISTOR	1	
Q1013	2SK1748-Z	TRANSISTOR	1	
Q1015	2SD1820A-R	TRANSISTOR	1	
Q1016	2SB1219A-R	TRANSISTOR	1	
Q1017	2SJ279S	TRANSISTOR	1	
Q1018	2SD1820A-R	TRANSISTOR	1	
Q1019	2SB1219A-R	TRANSISTOR	1	
Q1020	2SJ279S	TRANSISTOR	1	
Q1024	2SD1820A-R	TRANSISTOR	1	
Q1025	2SB1219A-R	TRANSISTOR	1	
Q1026	2SJ279S	TRANSISTOR	1	
Q1027	2SD1820A-R	TRANSISTOR	1	
Q1028	XN4401	TRANSISTOR-RESISTOR	1	
Q1029	2SD1820A-R	TRANSISTOR	1	
Q1030	XN4401	TRANSISTOR-RESISTOR	1	
Q1031	2SD1820A-R	TRANSISTOR	1	
Q1032	XN4401	TRANSISTOR-RESISTOR	1	
Q1033	2SD1820A-R	TRANSISTOR	1	
Q1034	XN4401	TRANSISTOR-RESISTOR	1	
Q1035	2SD1820A-R	TRANSISTOR	1	
Q1042	XN4401	TRANSISTOR-RESISTOR	1	
Q1043	2SD1820A-R	TRANSISTOR	1	
Q1044	XN4401	TRANSISTOR-RESISTOR	1	
Q1045	2SD1820A-R	TRANSISTOR	1	
Q1046	XN4401	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1047	2SD1820A-R	TRANSISTOR	1	
Q1051	2SD1820A-R	TRANSISTOR	1	
QR1001	UN5112	TRANSISTOR-RESISTOR	1	
QR1002-08	UN5211	TRANSISTOR-RESISTOR	7	
QR1010	UN5211	TRANSISTOR-RESISTOR	1	
QR1017	2SD1820A-R	TRANSISTOR	1	
QR1018	UN5111	TRANSISTOR-RESISTOR	1	
R1001	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1002	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1003	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1004-07	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1008	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1009	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R1010	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1011,12	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1013	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1014	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1015	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1016	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1017	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1019	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1020	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1023-26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1027	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1028	ERJ3RBD913	M.RESISTOR CH 1/16W 91K	1	
R1029	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R1030,31	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R1032	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1033	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1034	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1035	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1037	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1038	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R1039	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1040	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1041	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1042	ERJ8GICY472	M.RESISTOR CH 1/8W 4.7K	1	
R1043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1044	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1045	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R1047	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R1048	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1050-53	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1055	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R1056	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R1057	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1058,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R1060	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R1061	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R1062	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1063	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1064	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1067	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1068	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1069	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1071-74	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	4	
R1075	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R1076	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R1077	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1080,81	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R1085	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R1087	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1088	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R1089	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1091	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1092	ERJ6GEYJ120	M.RESISTOR CH 1/10W 12	1	
R1093	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1094	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1095	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1096	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1097	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1098	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1099	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1100	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1101	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1102	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1104	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1105	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1106	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1107	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1109	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1110	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1112	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1113	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1125	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1126	ERJ14RSJR10	M.RESISTOR CH 1/4W 0.1	1	
R1127	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1128	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1129	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1130	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1132	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1133	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1134	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1135	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1136	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1139	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R1141	ERJL14KJ50M	M.RESISTOR CH 1/4W 5	1	
R1142	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R1143	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1144	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1147	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1148	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1151	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
T1001	VTP0514	TRANSFORMER	1	
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
TP1003	EYF6CU	TEST POINT	1	
TP1005	EYF6CU	TEST POINT	1	
TP1009	EYF6CU	TEST POINT	1	
TP1016	EYF6CU	TEST POINT	1	
TP1036	EYF6CU	TEST POINT	1	
TP1056	EYF6CU	TEST POINT	1	
TP1111	EYF6CU	TEST POINT	1	
TP1136	EYF6CU	TEST POINT	1	
TP1156	EYF6CU	TEST POINT	1	
TP1195	EYF6CU	TEST POINT	1	
VR1001	EVM7JGA00B13	V.RESISTOR 1K	1	
VR1003	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1005	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1009	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1016	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1036	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1056	EVM7JGA00B23	V.RESISTOR 2K	1	
VR1156	EVM7JGA00B23	V.RESISTOR 2K	1	
		MISCELLANEOUS		
	VMP5584	P.C.BOARD ANGLE	1	
	XYN3+K8	SCREW	1	
	VEE0F71	PHANTOM CABLE	1	
E17	VEP01850B	REAR JACK P.C.BOARD	1	(RTL)FOR AJ-D610WAP

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1020	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C1021	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1022	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1023	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C1024,25	ECQP1682JZ	P.CAPACITOR 100V 6800P	2	
C1026	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C1029	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1030	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1031	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C1032	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1033	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C1034	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C1035	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1036	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C1037	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C1038	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1039	VCC0030	C.CAPACITOR	1	
C1040	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C1041	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C1042,43	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C1050-65	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	16	
C1066	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
CP1001	VSQ0834	CIRCUIT PROTECTOR	1	
D1001	RK34	DIODE	1	
D1002,03	MA142K	DIODE	2	
FL1001	EIR7QF012B	TRANSFORMER	1	
FL1002	VLF0941C223	FILTER	1	
IC1001	NJM4558M-D	IC	1	
L1001	VLQ0423J472	COIL 4700UH	1	
L1010	VLP0320	COIL	1	
L1011,12	VLF1151A132	COIL	2	
L1013,14	VLF1315A102	FILTER	2	
L1016-23	VLF1315A102	FILTER	8	
L1025	VLF1315A102	FILTER	1	
L1027	VLF1315A102	FILTER	1	
L1029	VLF1315A102	FILTER	1	
L1031,32	VLF1315A102	FILTER	2	
L1034	VLF1315A102	FILTER	1	
P1001	VJP3810E040	CONNECTOR (MALE)	1	
P1003	VJP3125B009	CONNECTOR (MALE)	1	
P1004	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1006	VJP2824B002	CONNECTOR (MALE)	1	
P1007	VJP2824A003	CONNECTOR (MALE) 3P	1	
P1008	VJP3172D002	CONNECTOR (MALE)	1	
P1009	VJP3518B002	CONNECTOR (MALE)	1	
P1010	VJP3518B008	CONNECTOR (MALE)	1	
P1011	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1012	VJP3125B004	CONNECTOR (MALE)	1	
P1014	VJP3125B004	CONNECTOR (MALE)	1	
P1015	VJP3098B050	CONNECTOR (MALE)	1	
P1016,17	VJS3551A	AUDIO IN CONNECTOR	2	
P1018	VJP3551	CONNECTOR (MALE)	1	
Q1001	2SJ280S	TRANSISTOR	1	
Q1003	2SD874-R	TRANSISTOR	1	
Q1004	2SB779-R	TRANSISTOR	1	
Q1005	2SD1819A-R	TRANSISTOR	1	
Q1006-08	2SD1979	TRANSISTOR	3	
Q1009	2SB1220-R	TRANSISTOR	1	
Q1010,11	2SD1821-R	TRANSISTOR	2	
QR1001-06	UN5113	TRANSISTOR-RESISTOR	6	
R1001	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1002	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R1005-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1015	VRT01512R2	THERMISTOR	1	
R1016	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1020	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1021	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1022	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1023	ERJ8GCVJ1R0	M.RESISTOR CH 1/8W 1	1	
R1024	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1025	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1029	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1030	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1032,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1034	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1035	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1036	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R1037	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1038	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1040	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1041	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1042	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1043	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1044	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1045	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1046,47	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1048	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
T1001	VL70729	TRANSFORMER	1	
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
VR1001	VRV0161B503	V.RESISTOR 50K	1	
VR1002	VRV0161B103	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VMP4846	P.C.BOARD ANGLE	1	
	XYN3+K6	SCREW	1	
	XWC3B	WASHER	1	
E17	VEP01850C	REAR JACK P.C.BOARD	1 (RTL)FOR AJ-D610WAE	
C1020	ECEV1EV220Q	E.CAPACITOR CH 25V 22U	1	
C1021	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C1022	ECUX1H223KBN	C.CAPACITOR CH 50V 0.22U	1	
C1023	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C1024,25	ECQP1682JZ	P.CAPACITOR 100V 6800P	2	
C1026	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C1029	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C1030	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1031	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C1032	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C1033	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C1034	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C1035	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C1036	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C1037	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C1038	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C1039	VCC0030	C.CAPACITOR	1	
C1040	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C1041	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C1042,43	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C1050-65	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	16	
C1066	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
CP1001	VSQ0834	CIRCUIT PROTECTOR	1	
D1001	RK34	DIODE	1	
D1002,03	MA142K	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL1001	EIR7QF012B	TRANSFORMER	1	
FL1002	VLF0941C223	FILTER	1	
IC1001	NJM4558M-D	IC	1	
L1001	VLQ0423J472	COIL 4700UH	1	
L1010	VLP0320	COIL	1	
L1011,12	VLF1151A132	COIL	2	
L1013,14	VLF1315A102	FILTER	2	
L1016-23	VLF1315A102	FILTER	8	
L1025	VLF1315A102	FILTER	1	
L1027	VLF1315A102	FILTER	1	
L1029	VLF1315A102	FILTER	1	
L1031,32	VLF1315A102	FILTER	2	
L1034	VLF1315A102	FILTER	1	
P1001	VJP3810E040	CONNECTOR (MALE)	1	
P1003	VJP3125B009	CONNECTOR (MALE)	1	
P1004	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1006	VJP2824B002	CONNECTOR (MALE)	1	
P1007	VJP2824A003	CONNECTOR (MALE) 3P	1	
P1008	VJP3172D002	CONNECTOR (MALE)	1	
P1009	VJP3518B002	CONNECTOR (MALE)	1	
P1010	VJP3518B008	CONNECTOR (MALE)	1	
P1011	VJP3125B003	CONNECTOR (MALE) 3P	1	
P1012	VJP3125B004	CONNECTOR (MALE)	1	
P1014	VJP3125B004	CONNECTOR (MALE)	1	
P1015	VJP3098B050	CONNECTOR (MALE)	1	
P1016,17	VJS3551A	AUDIO IN CONNECTOR	2	
P1018	VJP3551	CONNECTOR (MALE)	1	
Q1001	2SJ280S	TRANSISTOR	1	
Q1003	2SD874-R	TRANSISTOR	1	
Q1004	2SB779-R	TRANSISTOR	1	
Q1005	2SD1819A-R	TRANSISTOR	1	
Q1006-08	2SD1979	TRANSISTOR	3	
Q1009	2SB1220-R	TRANSISTOR	1	
Q1010,11	2SD1821-R	TRANSISTOR	2	
QR1001-06	UN5113	TRANSISTOR-RESISTOR	6	
R1001	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1002	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R1005-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1015	VRT01512R2	THERMISTOR	1	
R1016	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R1020	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1021	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1022	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1023	ERJ8GCVJ1R0	M.RESISTOR CH 1/8W 1	1	
R1024	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1025	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1029	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1030	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1032,33	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1034	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1035	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1036	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R1037	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R1038	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R1039	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1040	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1041	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1042	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R1043	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R1044	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1045	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1046,47	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R1048	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1049	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
T1001	VL70729	TRANSFORMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TG1001	EYF6CU	TEST POINT	1	
TP1001	EYF6CU	TEST POINT	1	
VR1001	VRV0161B503	V.RESISTOR 50K	1	
VR1002	VRV0161B103	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VMP4846	P.C.BOARD ANGLE	1	
	XYN3+K6	SCREW	1	
	VEE0F43	P.C.BOARD INT CABLE	1	
	XWC3B	WASHER	1	
	VEE0J24	LUG CABLE	1	
E18	VEP00Z35A	POWER SW P.C.BOARD	1 (RTL)	
P9601	VJP3172D002	CONNECTOR (MALE)	1	
SW9601	VST0076	SWITCH	1	
E19	VEP00Z30A	ALARM/MONITOR P.C.BOARD	1 (RTL)	
D9101	MA165	DIODE	1	
P9101	VJP1613T	CONNECTOR (MALE)	1	
SW9101	EVQQS205K	SWITCH	1	
VR9101,02	VRV0099A	VR	2	
		MISCELLANEOUS		
	VMG0945	WATERPROOF GUM	1	
E20	VEP00Z31A	TOGGLE SW P.C.BOARD	1 (RTL)	
D9301-07	MA165	DIODE	7	
P9301	VJP1600T	CONNECTOR (MALE)	1	
SW9301	VST0326	SWITCH	1	
SW9302-04	VST0327	SWITCH	3	
		MISCELLANEOUS		
	VMP5579	SW ANGLE	1	
	VJF0496	CLAMPER	2	
E21	VEP00Z32A	VAR SHUTTER P.C.BOARD	1 (RTL)	
D9801,02	MA165	DIODE	2	
P9801	VJP1596T	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW9801,02	EVQQS04B	SWITCH	2	
E22	VEP00Z33A	SUPER IRIS P.C.BOARD	1 (RTL)	
D9701,02	MA165	DIODE	2	
P9701	VJP1607T	CONNECTOR (MALE)	1	
SW9701,02	EVQQS04B	SWITCH	2	
E23	VEP00Z34A	PIX LINK P.C.BOARD	1 (RTL)	
D9501	MA165	DIODE	1	
P9501	VJP1607T	CONNECTOR (MALE)	1	
SW9501	EVQQS04B	SWITCH	1	
E24	VEP04727B	AUDIO LCD P.C.BOARD	1 (RTL)	
C4001	ECA1CM221	E.CAPACITOR 16V 220U	1	
C4002	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4003-06	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	4	
C4007	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4008	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C4009-11	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C4012-17	VCK0303M225	C.CAPACITOR CH 25V 0.1U	6	
C4018,19	ECU1H1H102JB	P.CAPACITOR 50V 1000P	2	
C4020,21	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4022	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4023	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4024,25	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4026	ECA1CM221	E.CAPACITOR 16V 220U	1	
C4027	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4028	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4029	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4030	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4031	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4032,33	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4034	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4035-37	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C4039,40	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4041	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4042	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C4043	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4044	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4045	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4046	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4047,48	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4049,50	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4051,52	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	2	
C4053	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4054	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4055	ECUX1H563KBN	C.CAPACITOR CH 50V 0.056U	1	
C4056	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C4057,58	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C4059,60	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4061,62	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4063-65	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	3	
C4068-71	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4081,82	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4083	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4101	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4102,03	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C4106	ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C4107,08	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4109	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C4114,15	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4116,17	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	2	
C4118	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4119	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4126,27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4128	ECHU1C472JB	P.CAPACITOR 16V 4700P	1	
C4129	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4130	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4131	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4132	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4133	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4134	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4137	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4138	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4139	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4140	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4141	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4142	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4143,44	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C4145,46	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4147,48	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4152	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4153	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C4155	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4157	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4158	ECEV0GV101Q	E.CAPACITOR CH 4V 100U	1	
C4159	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4160,61	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4164,65	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	2	
C4166	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4167	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4168,69	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4170	ECUX1C224ZFFV	C.CAPACITOR CH 16V 0.22U	1	
C4171	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4201	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4202,03	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	2	
C4206	ECUM1H183KBN	C.CAPACITOR CH 50V 0.018U	1	
C4207,08	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4209	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C4214,15	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4216,17	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	2	
C4218	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4219	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4226,27	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4228	ECHU1C472JB	P.CAPACITOR 16V 4700P	1	
C4229	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4230	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4231	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4232	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4233	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4234	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4237	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4238	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4239	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4240	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4241	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4242	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4243,44	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C4245,46	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C4247,48	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4252	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4253	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C4255	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4257	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4258	ECEV0GV101Q	E.CAPACITOR CH 4V 100U	1	
C4259	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4260,61	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C4264,65	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4266	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4267	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4268,69	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4270	ECUX1C224ZFFV	C.CAPACITOR CH 16V 0.22U	1	
C4271	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4304	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4305	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4306	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4307	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4308	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C4309	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C4408	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C4409	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C4501,02	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4508	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4509	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C4510	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4511	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C4512	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C4513	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4514	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4515	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4516,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4519	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4520	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4521,22	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4523,24	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	2	
C4601	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4602	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C4603	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4604	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4605	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4606,07	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C4608-10	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	3	
C4611	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4612	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4701	ECA1EFQ820	E.CAPACITOR 25V 82U	1	
C4702	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C4703	EEUFA1J680	E.CAPACITOR 63V 68U	1	
C4704	ECUM1H104KBM	C.CAPACITOR CH 50V 0.1U	1	
C4705	EEUFA1J680	E.CAPACITOR 63V 68U	1	
C4707	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4708	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4709	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4710	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C4711	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4712,13	VCK0303M225	C.CAPACITOR CH 25V 0.1U	2	
C4801-03	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	3	
C4804	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6502	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C6503	VCK0303M225	C.CAPACITOR CH 25V 0.1U	1	
C6504	ECUX1C105KBM	C.CAPACITOR CH 16V 1U	1	
C6505-07	VCK0303M225	C.CAPACITOR CH 25V 0.1U	3	
C6508	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6510,11	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C6512,13	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C6525	ECEV1EV220Q	E.CAPACITOR CH 25V 22U	1	
C6529	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6530	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
D4001,02	MA143	DIODE	2	
D4003	MA142K	DIODE	1	
D4004	MA143	DIODE	1	
D4101,02	MA143	DIODE	2	
D4103	MA142K	DIODE	1	
D4105,06	MA142K	DIODE	2	
D4107	MA714	DIODE	1	
D4201,02	MA143	DIODE	2	
D4203	MA142K	DIODE	1	
D4205,06	MA142K	DIODE	2	
D4207	MA714	DIODE	1	
D4601	MA142K	DIODE	1	
D4604,05	MA714	DIODE	2	
D4701	EC10QS1012	DIODE	1	
D4702	MA143	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D4703	MA714	DIODE	1	
D6501	MA704	DIODE	1	
D6502-07	LNJ310M6URA	DIODE	6	
D6508	HZ16-1L	DIODE	1	
D6509,10	LNJ310M6URA	DIODE	2	
D6511,12	MA142K	DIODE	2	
D6513	BR3902S	DIODE	1	
D6514-18	MA142K	DIODE	5	
D6520,21	MA142K	DIODE	2	
D6523-30	MA142K	DIODE	8	
D6532	MA142K	DIODE	1	
D6534-40	MA142K	DIODE	7	
D6541,42	LNJ310M6URA	DIODE	2	
D6544-46	MA142K	DIODE	3	
DP6501	EDD074YG1A4P	LCD	1	
FL4501	VLF1069	FILTER	1	
IC4001	UPC5022GA144	IC	1	
IC4002	NJM062M-D	IC	1	
IC4003	TVHC04FT	IC	1	
IC4004	MC14053BF	IC	1	
IC4005	NJM2904M	IC	1	
IC4006	NJM062M-D	IC	1	
IC4007	XC62AP3002P	IC	1	
IC4008	AK4503VF	IC	1	
IC4009	BA6138F	IC	1	
IC4010	NJM062M-D	IC	1	
IC4011	MC14052BF	IC	1	
IC4012	MC14053BF	IC	1	
IC4013	NJM2073M	IC	1	
IC4014	TC7W125FU	IC	1	
IC4015-17	NJM062M-D	IC	3	
IC4018	NJM2122M	IC	1	
IC4019	TVHC11FT	IC	1	
IC4020	TVHC86FT	IC	1	
IC4021	TVHC00FT	IC	1	
IC4022	TVHC08FT	IC	1	
IC4023	NJM78L12UA	IC	1	
IC4101	NJM2122M	IC	1	
IC4102	NJM062M-D	IC	1	
IC4103	NJM4580ED	IC	1	
IC4105	MC14052BF	IC	1	
IC4201	NJM2122M	IC	1	
IC4202	NJM062M-D	IC	1	
IC4203	NJM4580ED	IC	1	
IC4205	MC14052BF	IC	1	
IC4501	MC14053BF	IC	1	
IC4502	NJM062M-D	IC	1	
IC4503	CXA1552M	IC	1	
IC4602	MN13821-R	IC	1	
IC4603	UPD75328G769	IC	1	
IC4604	XC62FP5002P	IC	1	
IC4701	LM2577MX-ADJ	IC	1	
IC4702	NJM062M-D	IC	1	
IC4703	TVHC08FT	IC	1	
IC4704	NJM386M	IC	1	
IC6501	UPD75316BE88	IC	1	
IC6503	S81350HG	IC	1	
IC6504	MN13821-R	IC	1	
IC6505	NJU7112AM	IC	1	
L4003,04	VLQ0163J100	COIL 10UH	2	
L4101,02	VLQ0163J100	COIL 10UH	2	
L4201,02	VLQ0163J100	COIL 10UH	2	
L4701	VLQ0407680K	COIL 68UH	1	
L4702	VLQ0621	COIL	1	
L4801	VLP0147	COIL	1	
P4001	VJP3098B050	CONNECTOR (MALE)	1	
P4003	VJP1616T	CONNECTOR (MALE)	1	
P4004	VJP1609T	CONNECTOR (MALE)	1	
P4005	VJP3172D002	CONNECTOR (MALE)	1	
P6501	VJP1944T	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
PC4001	MCD5223	IC	1	
Q4001	2SD1819A-R	TRANSISTOR	1	
Q4002	2SD602A-S	TRANSISTOR	1	
Q4003	2SB710A-R	TRANSISTOR	1	
Q4004	2SK663-R	TRANSISTOR	1	
Q4007	2SB1219-R	TRANSISTOR	1	
Q4008	2SB1220-R	TRANSISTOR	1	
Q4009,10	2SD1979	TRANSISTOR	2	
Q4101-03	2SD1819A-R	TRANSISTOR	3	
Q4107	2SD1979	TRANSISTOR	1	
Q4110	2SD1979	TRANSISTOR	1	
Q4111,12	2SB1220-R	TRANSISTOR	2	
Q4201-03	2SD1819A-R	TRANSISTOR	3	
Q4207	2SD1979	TRANSISTOR	1	
Q4210	2SD1979	TRANSISTOR	1	
Q4211,12	2SB1220-R	TRANSISTOR	2	
Q4302	2SD1979	TRANSISTOR	1	
Q4305-07	2SD1979	TRANSISTOR	3	
Q4402	2SD1979	TRANSISTOR	1	
Q4405-07	2SD1979	TRANSISTOR	3	
Q4702,03	2SD1979	TRANSISTOR	2	
Q4704	2SD874-R	TRANSISTOR	1	
Q4705	2SB766-R	TRANSISTOR	1	
Q6501,02	2SD968-R	TRANSISTOR	2	
Q6503	2SD602A-S	TRANSISTOR	1	
QR4001	UN5113	TRANSISTOR-RESISTOR	1	
QR4006	UN5213	TRANSISTOR-RESISTOR	1	
QR4007	UN5113	TRANSISTOR-RESISTOR	1	
QR4010	UN5213	TRANSISTOR-RESISTOR	1	
QR4012	UN5213	TRANSISTOR-RESISTOR	1	
QR4013	UN5113	TRANSISTOR-RESISTOR	1	
QR4102,03	UN5113	TRANSISTOR-RESISTOR	2	
QR4104	UN521F	TRANSISTOR-RESISTOR	1	
QR4105	UN5113	TRANSISTOR-RESISTOR	1	
QR4106	UN521F	TRANSISTOR-RESISTOR	1	
QR4107	UN5213	TRANSISTOR-RESISTOR	1	
QR4108	UN5113	TRANSISTOR-RESISTOR	1	
QR4109	UN5213	TRANSISTOR-RESISTOR	1	
QR4110	UN5113	TRANSISTOR-RESISTOR	1	
QR4201	UN5213	TRANSISTOR-RESISTOR	1	
QR4202,03	UN5113	TRANSISTOR-RESISTOR	2	
QR4204	UN521F	TRANSISTOR-RESISTOR	1	
QR4205	UN5113	TRANSISTOR-RESISTOR	1	
QR4206	UN521F	TRANSISTOR-RESISTOR	1	
QR4207	UN5213	TRANSISTOR-RESISTOR	1	
QR4208	UN5113	TRANSISTOR-RESISTOR	1	
QR4209	UN5213	TRANSISTOR-RESISTOR	1	
QR4210	UN5113	TRANSISTOR-RESISTOR	1	
QR4301,02	UN5113	TRANSISTOR-RESISTOR	2	
QR4303,04	UN5213	TRANSISTOR-RESISTOR	2	
QR4401,02	UN5113	TRANSISTOR-RESISTOR	2	
QR4403,04	UN5213	TRANSISTOR-RESISTOR	2	
QR4601	UN5213	TRANSISTOR-RESISTOR	1	
QR6501	UN5211	TRANSISTOR-RESISTOR	1	
QR6502-04	UN5213	TRANSISTOR-RESISTOR	3	
R4001	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4002	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R4003	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R4004,05	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R4006	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4011,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4013,14	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4015-17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R4018	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4020	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4021,22	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4023	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R4024	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4026	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4027	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R4035	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4037	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4040	ERJ6RED164	M.RESISTOR CH 3W 160K	1	
R4042	ERJ6RED164	M.RESISTOR CH 3W 160K	1	
R4046	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4047	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4048	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4049	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4051	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4064,65	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4068,69	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4070,71	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	2	
R4073	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4074,75	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4076	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4077	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4079	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4084,85	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4086	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4087	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R4088	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4089	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4090-93	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	4	
R4094	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4101	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4102	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4103	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4106	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4110	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4111	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4112	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4113	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4114	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4115	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4116	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4117	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4118,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4120	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4121	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4123	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4124	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4125	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4130	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R4131,32	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4134	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4135	ERJ6RBD511	M.RESISTOR CH 1/10W 510	1	
R4136	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4142	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4144	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R4145	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4146	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4147	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4148	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4149,50	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4151,52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4153,54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4160	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4161	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4162	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4163	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4164-66	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	3	
R4183	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4184	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4185	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4186	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4187	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4189	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4190	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4191	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4192	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4193-96	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	4	
R4197	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4201	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4202	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4203	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4206	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4210	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4211	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R4212	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4213	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4214	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4215	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4217	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4218,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4220	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4221	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4223	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4224	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4225	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4230	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4231,32	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4234	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4235	ERJ6RBD511	M.RESISTOR CH 1/10W 510	1	
R4236	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4242	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4244	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R4245	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4246	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4247	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4248	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4249,50	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4251,52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4253,54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4255	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4260	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4261	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4262	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4263	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4264-66	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	3	
R4283	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4284	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4285	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4287	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4289	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4290	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4291	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4292	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R4293-96	ERJ6GEYJ150	M.RESISTOR CH 1/10W 15	4	
R4297	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4301	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R4302	ERJ12YJ181	M.RESISTOR CH 1/2W 180	1	
R4303,04	ERJ14YJ681	M.RESISTOR CH 1/4W 680	2	
R4305,06	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2	
R4307	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4308	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4309	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R4310	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4311	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4318	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4319	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4320	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4321	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4322	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4326	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4328	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4332	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4334	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4335	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4336	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4337	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4338	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1		R4726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4339	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R4728	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4340	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1		R4807,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4341	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R4811	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4344	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6501	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R6502	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R4401	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1		R6503	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4402	ERJ12YJ181	M.RESISTOR CH 1/2W 180	1		R6504,05	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	2	
R4403,04	ERJ14YJ681	M.RESISTOR CH 1/4W 680	2		R6506	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4405,06	ERJ12YJ682	M.RESISTOR CH 1/2W 6.8K	2		R6507	ERJ6GEYG155	M.RESISTOR CH 1/10W 1.5M	1	
R4407	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1		R6508	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4408	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1		R6509,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4409	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1		R6512-14	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R4410	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1		R6515	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4411	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1		R6516	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4418	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6517	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4419	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1		R6518	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R4420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R6519,20	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4421	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6521	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4422	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1		R6522	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R4426	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1		R6530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4427	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6531	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R4428	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R6532	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4432	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4434	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		R6534-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R4435	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6542	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4436	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1		R6550,51	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4437	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6552	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4438	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1		R6553	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4439	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		R6554-61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R4440	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1		R6562-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R4441	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6566-70	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R4444	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		R6573	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R4445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		R6574	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R4502	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		R6575	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4503	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1		R6576	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4509	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1						
R4510	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1		RY4101,02	VSY2070	RELAY	2	
R4511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1		RY4201,02	VSY2070	RELAY	2	
R4512	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1						
R4513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		SW4001	VSS0342	SWITCH	1	
R4515	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1		SW4101	VSS0342	SWITCH	1	
R4516	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1		SW4102	ESD11H230	SWITCH	1	
R4517	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		SW4201	VSS0342	SWITCH	1	
R4518	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		SW4202	ESD11H230	SWITCH	1	
R4520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		SW4701	VSS0367-06B	SWITCH	1	
R4522	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1		SW6501	VSS0186	SWITCH	1	
R4524	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1		SW6502	VSS0187	SWITCH	1	
R4525	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1		SW6503,04	VSS0186	SWITCH	2	
R4526	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1		SW6505	VSS0187	SWITCH	1	
R4527	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1		SW6507	EVQGSB04B	SWITCH	1	
R4529,30	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2		SW6508-10	VSS0187	SWITCH	3	
R4555,56	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2		SW6511	EVQGS205K	SWITCH	1	
R4601	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1		SW6512-15	VSS0186	SWITCH	4	
R4602	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1		SW6516	EVQGSB04B	SWITCH	1	
R4603	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1		SW6517	VSS0187	SWITCH	1	
R4604	ERJ6RBD561	M.RESISTOR CH 1/10W 560	1		SW6524-26	EVQGS205K	SWITCH	3	
R4605-39	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	35						
R4640	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1		T4701	VLT0623	TRANSFORMER	1	
R4641,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2						
R4643-45	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3		TG4001	EYF6CU	TEST POINT	1	
R4646-48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3						
R4649	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1		TP4101,02	EYF6CU	TEST POINT	2	
R4701	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1		TP4201,02	EYF6CU	TEST POINT	2	
R4702	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1		TP4301	EYF6CU	TEST POINT	1	
R4704	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1		TP4401	EYF6CU	TEST POINT	1	
R4705	ERJ6RBD683	M.RESISTOR CH 1/10W 68K	1		TP4501	EYF6CU	TEST POINT	1	
R4706	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1		TP4505	EYF6CU	TEST POINT	1	
R4707	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1		TP4601,02	EYF6CU	TEST POINT	2	
R4708	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1		TP6501-04	EYF6CU	TEST POINT	4	
R4710	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1						
R4712	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1		VR4001	EVM7JGA00B23	V.RESISTOR 2K	1	
R4713-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6		VR4002	EVM7JGA00B53	V.RESISTOR 5K	1	
R4719,20	ERJ6GEYJ2R2	M.RESISTOR CH 1/10W 2.2	2		VR4101	VRV0080	V.RESISTOR	1	
R4725	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1		VR4102,03	EVM7JGA00B14	V.RESISTOR 10K	2	



Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR4201	VRV0080	V.RESISTOR	1	
VR4202.03	EVM7JGA00B14	V.RESISTOR 10K	2	
VR4301	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4401	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4501	EVM7JGA00B14	V.RESISTOR 10K	1	
VR4503	EVM7JGA00B54	V.RESISTOR 50K	1	
VR4701	EVM7JGA00B14	V.RESISTOR 10K	1	
X4601	VSX0140	CRYSTAL OSCILLATOR	1	
X6501	VSX0094C	CRYSTAL OSCILLATOR	1	
X6502	VSX0140	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VGQ4723	SPACER	1	
	VJF1152	CLAMPER	3	
	VMX1144	LED SPACER	1	
	VGL0721	BACK LIGHT SPACER	1	
	VZT0045	CUSHION	3	
	VEE0F72	PHANTOM CABLE	1	
E25	VEP00W08B	HEAD PHONE P.C.BOARD	1 (RTL)	
C9201.02	ECKF1H102ZF	C.CAPACITOR 50V 1000P	2	
J9201	VJJ0522	JACK	1	
L1,L2	VLP0147	COIL	2	
P9201	VJP1608T	CONNECTOR (MALE)	1	
E26	VEP00X87A	DC INPUT P.C.BOARD	1 (RTL)	
D1	S3V40	DIODE	1	
		MISCELLANEOUS		
	VJP2717	CONNECTOR	1	
	VEE9423	EX DC CABLE	1	
E27	VEP20537A	FRONT TOGGLE P.C.BOARD	1 (RTL)	
P1	VJS2949B015	CONNECTOR (FEMALE)	1	
P2	VJP1598T	CONNECTOR (MALE) 5P	1	
P3	VJP1608T	CONNECTOR (MALE)	1	
P4	VJP1597T	CONNECTOR (MALE) 4P	1	
R1	ERDS2T0	C.RESISTOR 1/4W 0	1	
R2	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R3	ERDS2TJ183	C.RESISTOR 1/4W 18K	1	
R4	ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
SW1	VST0194	SWITCH	1	
SW2	VST0195	SWITCH	1	
		MISCELLANEOUS		
	VMP4839	SW ANGLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E28	VEP20538A	FRONT P.C.BOARD	1 (RTL)	
P1	VJP1608T	CONNECTOR (MALE)	1	
SW1	EVQGSB05G	SWITCH	1	
SW2	VRV0270	SWITCH	1	
E29	VEP86149A	OPERATE P.C.BOARD	1 (RTL)	
D6001-03	BR1102W-1	DIODE	3	
P501	VJP3125B010	CONNECTOR (MALE)	1	
SW6001-05	EVQPHL03T	SWITCH	5	
		MISCELLANEOUS		
	VEE9417	BACK TALLY CABLE	1	
E30	VEP80858A	BACK TALLY P.C.BOARD	1 (RTL)	
D1	TLRA116	DIODE	1	
SW1	VST0131	SWITCH	1	
		MISCELLANEOUS		
	VEE9418	BACK TALLY CABLE	1	
	VMX2126	LED SPACER	1	
E31	VEP80A14B	FRONT MIC P.C.BOARD	1 (RTL)	
L5-L7	VLP0147	COIL	3	
P1	VJS3417	CONNECTOR (FEMALE)	1	
P2	VJP2261	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VEE0F40	GND CABLE	1	
E32	VEP80A33A	BNC P.C.BOARD	1 (RTL)FOR AJ-D610WAP	
P1	VJP1608T	CONNECTOR (MALE)	1	
P2	VJP1607T	CONNECTOR (MALE)	1	
R1-R7	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E32	VEP80A33C	BNC P.C.BOARD	1	(RTL)FOR AJ-D610WAE
P1	VJP1608T	CONNECTOR (MALE)	1	
P2	VJP1607T	CONNECTOR (MALE)	1	
R1	VLF1147A241	FILTER	1	
R2,R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4-R7	VLP0353	COIL	4	
E33	VEP80A73A	BATT P.C.BOARD	1	(RTL)
		MISCELLANEOUS		
	BCR20H4	BATTERY	1	
	VEE0D26	BATT CABLE	1	
E34	VEP86266A	MEMORY CARD P.C.BOARD	1	(RTL)
C1-C5	VCK0303M225	C.CAPACITOR CH 25V 0.1U	5	
IC1-C5	NVHC04FT	IC	5	
P1	VJS3978A060A	CONNECTOR (FEMALE)	1	
R1-17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	17	
R18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R19	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R22	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R26	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R30	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R31	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R32	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R33	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R36	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R38	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R39	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R40	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R42	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R43	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R45	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R46	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
		MISCELLANEOUS		
	VJP3839	CONNECTOR	1	
	VMP4840	ANGLE	1	
	XYN2+F8	SCREW	2	
	VMP5778	ANGLE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E35	VEP80A66A	REAR FLEX P.C.BOARD	1	(RTL)
P1	VJS3807E040	CONNECTOR (FEMALE)	1	
P2	VJS3806E040	CONNECTOR (FEMALE)	1	
E36	VEP80A67A	VIDEO FLEX P.C.BOARD	1	(RTL)
P1	VJS3806E160	CONNECTOR (FEMALE)	1	
P2	VJP4106C160L	CONNECTOR (MALE)	1	
E37	VEP80A68A	MAIN FLEX P.C.BOARD	1	(RTL)
P11,12	VJS3806E160	CONNECTOR (FEMALE)	2	
E38	VEP80A69A	BYPASS P.C.BOARD	1	(RTL)
C6300	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6301-04	VCK0303M225	C.CAPACITOR CH 25V 0.1U	4	
IC6300	MC74HC573AF	IC	1	
IC6301	TVHC245FT	IC	1	
IC6302,03	TVHC02FT	IC	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	
R6300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6301-08	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	8	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	3	
	XNG2E	NUT	1	
	VGQ4620	NUMBER PLATE	1	
E39	VEP80A65B	INT CONNECTION P.C.BOARD	1	(RTL)
C9801-10	VCK0303M225	C.CAPACITOR CH 25V 0.1U	10	
C9820	ECEA1CU101	E.CAPACITOR 16V 100U	1	
IC9606,07	MC74HC4053F	IC	2	
IC9801-04	TVHC541FT	IC	4	
L9801	VLQ0319K101	COIL 100UH	1	
L9802-05	VLP0353	COIL	4	
L9806	VLQ0319K101	COIL 100UH	1	
L9810	ELELN560KA	COIL 56UH	1	
P9608	VJP3808E160	CONNECTOR (MALE)	1	
P9802	VJS4106C160L	CONNECTOR (FEMALE)	1	
P9803	VJS3807E060	CONNECTOR (MALE)	1	



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